EAST LYNN LAKE COAL LEASE SOCIOECONOMIC BASELINE ASSESSMENT AND SOCIOECONOMIC IMPACT ANALYSIS

EIS-ES-030-2008-0004

Prepared for:

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BLM Milwaukee Field Office—Office of Solid Minerals-Rolla

LIST OF ACRONYMS AND ABBREVIATIONS

-A-**ADD** area development district (ARC)

above msl (mean sea level) amsl

Argus Energy WV, LLC and Rockspring Development, Inc. **Applicants ARC Appalachian Regional Commission**

Argus Argus Energy WV, LLC, also referred to as "Applicant"

-B-

BBER Bureau of Business and Economic Research

(West Virginia University)

billion cubic feet Bcf

BLM U.S. Bureau of Land Management (Department of

the Interior)

BLM-MFO Milwaukee Field Office of the BLM

BTU British thermal units

-C-

CBER Center for Business and Economic Research **CFR** Code of Federal Regulations CEQ Council on Environmental Quality cumulative hydrologic impact assessment **CHIA**

CWA Clean Water Act

-D-

DEIS draft environmental impact statement **DLUA/DEIS** draft land use analysis/environmental impact statement

-E-

East Lynn Lake East Lynn Lake Coal Lease Land Use Analysis and Environmental Impact

LUA/EIS Statement

EIA Energy Information Administration EIS environmental impact statement emergency medical technician **EMT EPA** see: U.S. Environmental Protection Agency

-F-

FCLAA Federal Coal Lease Amendments Act **FERC** Federal Energy Regulatory Commission FR

Federal Register

-G-

Golder Golder Associates Inc.

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-H-**HADCO** Huntington Development Area Council **HRSA** U.S. Health Resources and Services Administration HUD U.S. Department of Housing and Urban Development -I-**IMPLAN** Impact Analysis for Planning -K-**KYOVA** KentuckY Ohio [West] VirginiA Interstate Planning Commission -L-**LBA** lease by application **LNG** liquefied natural gas LUA land use analysis LUA/EIS Land Use Analysis/Environmental Impact Statement -M-**MBOE** million barrels of oil equivalent thousand cubic feet mcf Mineral Leasing Act of 1920 MLA mmcf million cubic feet MSA metropolitan statistical area **MSHA** U.S. Mine Safety and Health Administration (Department of Labor) **MUCBER** Marshall University Center for Business & Economic Research MW megawatt -N-NAS no action scenario **NASS** National Agricultural Statistical Service National Environmental Policy Act **NEPA NGOs** non-governmental organizations notice of intent NOI **-O-**ORV off-road vehicle **OSM** U.S. Office of Surface Mining, Reclamation, and Enforcement (Department of the Interior) -R-**RFDS** Reasonably Foreseeable Development Scenario Rockspring Rockspring Development, Inc., also referred to as "Applicant" **ROW** right of way

March 2008 Page v of 95 **BLM Milwaukee Field Office—Office of Solid Minerals-Rolla**

-S-**SMCRA** Surface Mining Control and Reclamation Act

-T-

TPI total personal income **TOLSIA** Tug-Ohio-Levisa-Sandy-Improvement Association

-**U**-

U.S.

USBLM

UKYCBER University of Kentucky Center for Business Economic Research United Mines Workers of America **UMWA**

United States

USACE U.S. Army Corps of Engineers (Department of the Army)

USEPA U.S. Environmental Protection Agency

-W-

WVCA

WCC Wayne County Commissioners

West Virginia

WV**WVAC** West Virginia Association of Counties

West Virginia Coal Association

WVDEP West Virginia Department of Environmental Protection West Virginia Department of Health and Human Resources **WVDHHR**

WVDMR West Virginia Division of Mining and Reclamation **WVDNR** West Virginia Division of Natural Resources

WVDO West Virginia Development Office

WVDOF West Virginia Division of Forestry

WVGES West Virginia Geological and Economic Survey **WVMHST** West Virginia Office of Miners' Health, Safety and Training

WVSCORP West Virginia Statewide Comprehensive Outdoor Recreation Plan

WWV Workforce West Virginia

1.0 INTRODUCTION

The U.S. Department of Interior Bureau of Land Management (BLM) Milwaukee Field Office (MFO) Solid Minerals Team—Rolla, MO is responding to two lease-by-applications (LBA) received from Argus Energy WV, LLC (Argus) and Rockspring Development, Inc. (Rockspring) for the leasing of federal coal that lies under nine tracts of land located on the U.S. Army Corps of Engineers (USACE) East Lynn Lake Project in Wayne County, West Virginia. In 1977, the U.S. Army Corps of Engineers (USACE) pursued ownership of the coal estate surrounding the lake, and finally acquired the coal estate in 1991. However, local coal companies indicated interest in leasing the federal coal. Eight years later, the *Water Resources Development Act of 1999* (WRDA) gave the BLM the responsibility of making coal leasing decisions for the USACE East Lynn Lake Project.

On July 14, 2005, the BLM published a *Notice of Intent to prepare an LUA/EIS to analyze Coal Lease Applications WVES-50556 and WVES-50560* (NOI) in the *Federal Register* (70 FR 134, pages 40723-40725). In August 2005 the BLM and the Applicants signed a memorandum of understanding (MOU) to outline the NEPA process and responsibilities. On September 8, 2005 the BLM issued a statement of work (SOW) to guide preparation of proposals and on September 23, 2005, the Applicants issued a request for proposals (RFP). The Applicants and the BLM reviewed the proposals and in July 2006 Golder Associates Inc. (Golder) was selected to develop the East Lynn Lake Coal Lease LUA/EIS under the direction of the BLM. Contracts between Golder and each of the Applicants were negotiated and signed in September 2006.

The BLM is preparing the East Lynn Lake Coal Lease Land Use Analysis and Environmental Impact Statement (East Lynn Lake Coal Lease LUA/EIS) to assess potential environmental and socioeconomic impacts of the proposed leasing and associated proposed underground coal mining. The federal coal that lies under the proposed lease tracts is some of the only federally owned coal in West Virginia. The BLM management actions regarding federal coal resources that lie under the proposed lease tracts are integrally connected with socioeconomics and are considered in compliance with the National Environmental Protection Act (NEPA) process. The socioeconomic baseline assessment and socioeconomic impact analysis for the East Lynn Lake Coal Lease LUA/EIS is presented in this report, and will be summarized in the East Lynn Lake Coal Lease LUA/EIS.

The purpose of this baseline assessment and analysis is:

- to document the socioeconomic conditions of the East Lynn Lake Coal Lease LUA/EIS planning area, and
- to provide an overview of how selection of the Proposed Action—which is to lease the federal coal and to implement the proposed mining methods described in the associated reasonably foreseeable development scenario (RFDS)—might affect regional social and economic conditions.

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The planning area for this assessment and impact analysis is Wayne County. Specialists gathered and analyzed information on the social and economic conditions in a multi-state region, the state of West Virginia, and Wayne County for comparison purposes.

Estimating and evaluating impacts that could occur more than 20 years in the future is very difficult. Changes in social conditions, economic conditions, and environmental conditions can change dramatically over that time period. Therefore, the timeframe considered in this assessment and impact analysis is the next 20 years.

The East Lynn Lake Coal Lease LUA/EIS is described in section 1.1. The location in which the proposed underground mining would occur is described in section 1.2. The socioeconomic resources assessed in this impact analysis are described in section 1.3, and socioeconomic indicators are described in section 1.4. A summary of sources used to prepare this report is presented in section 1.5.

An introductory overview of socioeconomic conditions in the Appalachian region, in the state of West Virginia, and in Wayne County is presented in chapter 2.0. To further describe the socioeconomic setting, the economic aspects of coal mining are also introduced. Statistical information on human population characteristics such as population size, age, or gender is referred to as demographic information. This information can be used to identify the basic human needs of a community. Demographic information for West Virginia, Wayne County, and the local town of Wayne is presented in chapter 3.0.

A history of social values and attitudes, along with a description of existing social conditions in the Appalachian region, the state, and the county is presented in chapter 4.0. Social structure and values within Wayne County influence the demand for recreation and other opportunities provided by public lands, as well as the acceptability of proposed land management decisions. For the purposes of this analysis, public land includes all publicly owned land and resources such as those owned or administered by the BLM, USACE, and the State of West Virginia. Public land and mineral uses can affect the economies of local communities. Existing economic conditions in the county are described in chapter 5.0, and additional regional and state information is also provided where applicable for comparison purposes. Social and economic impacts of the Proposed Action and No Action Alternative are analyzed in chapter 6.0.

Executive Orders 12898 and 13045 and NEPA require that factors related to environmental justice and the protection of children, be addressed. Aspects of the regional and local conditions regarding environmental justice and protection of children are presented in chapter 7.0.

1.1 The East Lynn Lake Coal Lease Land Use Analysis and Environmental Impact Statement

The BLM-MFO Solid Minerals Team—Rolla, MO has received two applications to lease federal coal that lies under nine tracts of land within the U.S. Army Corps of Engineers (USACE) East Lynn Lake Project in Wayne County, West Virginia (figure 1.1-1). The proposed lease tracts are situated within the Williamson Coal Field on the Appalachian Plateau (Trapp and Horn 1997). Under the BLM regulations for competitive leasing (43 CFR 3425.1), the BLM is preparing the East Lynn Lake Coal Lease LUA/EIS to evaluate environmental and social impacts that would result from underground mining of federal coal.

The Proposed Action is to offer the nine tracts of land, totaling 13,089.55 acres, for competitive leasing in response to applications submitted by Argus Energy WV, LLC (Argus) and Rockspring Development, Inc. (Rockspring) under the LBA process detailed in 43 CFR 3425. The two coal companies are referred to as the Applicants. The nine proposed lease tracts would be offered with BLM's standard terms and conditions, along with special coal lease stipulations identified by the BLM and the USACE for the protection of natural resources consistent with applicable laws, BLM and USACE policies, and the USACE *Operational Management Plan* (USACE 2006).

If the Proposed Action is selected and the tracts are leased, the Reasonably Foreseeable Development Scenario (RFDS) associated with the Proposed Action would involve underground room-and-pillar mining of the federal coal using an approximately 50 percent extraction rate, with no second mining. The RFDS is based on proposed mining plans, and was developed to facilitate the NEPA process required for the Proposed Action. Prior to mining the federal coal, the successful bidder(s) would be required to submit mining plans and operations permit applications to federal and state agencies for approval. If necessary, additional analyses would be performed at that time, and the OSM and cooperating agencies would review the results in accordance with NEPA. If Argus and Rockspring are the successful bidders, these two companies would extend existing underground workings from these adjoining operations into the federal coal. Rockspring would produce roughly one million tons per year over a 10-year period, and Argus would produce approximately one million tons per year over a 15-year period.

The No Action Alternative is to not lease the federal coal. If the No Action Alternative is selected, the associated No Action Scenario (NAS) would involve mining of the private coal reserves that adjoin the nine proposed lease tracts, in accordance with existing West Virginia Division of Mining and Reclamation (WVDMR) operating permits and amendment and private leases.

The BLM considered numerous other alternatives and concluded that none of the other alternatives directly address the purpose and need or proposed project issues identified during the NEPA process. As a result, no other alternatives have been carried through the detailed evaluation process.

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Argus' active Mine No. 8 and inactive Mine No. 3, and Rockspring's active Camp Creek coal mining complex are located adjacent to the nine proposed lease tracts, and as existing permitted facilities that will continue to function regardless of this action, are not a part of the East Lynn Lake Coal Lease LUA/EIS evaluation.

1.2 Location

The USACE East Lynn Lake Project is located in Wayne County, in southwestern West Virginia near the eastern borders of the states of Kentucky and Ohio. The proposed underground mining associated with the East Lynn Lake Coal Lease LUA/EIS would occur under lands surrounding the East Lynn Lake Project. Socioeconomic centers in the vicinity of the proposed lease tracts include the communities of East Lynn, Genoa, and Dunlow. As Robert Michael Thompson wrote recently in *East Lynn Booming*:

East Lynn is ... a small residential community. It is more of an area than a town. Since it is no longer incorporated, there are no official town limits. However, the area considered to be the community of East Lynn stretches from the boundary of the East Lynn Lake property, which is about one mile upstream of the mouth of Big Lynn Creek, to the end of Fry Bottom. Altogether the community extends about two and a half miles along Twelve Pole Creek.

The town of Wayne is located about 6 air miles to the northwest and is the county seat of Wayne County. Other larger cities in Wayne County include Kenova and Huntington, though the larger portion of Huntington is located in neighboring Cabell County. The socioeconomic planning area being considered encompasses all lands, regardless of ownership, within Wayne County, West Virginia (figure 1.1-1). This planning area was selected to address the socioeconomic effects that could occur under the RFDS.

The BLM does not manage any surface lands in Wayne County or the State of West Virginia. The West Virginia Division of Forestry (WVDOF) and the West Virginia Division of Natural Resources (WVDNR) Wildlife Resources Section cooperatively manage the Cabwaylingo State Forest, which is located southwest of the USACE East Lynn Lake Project and encompasses approximately 8,123 acres (WVDNR 2007c). The WVDNR Wildlife Resources Section also manages Beech Fork State Park, which is located north of the USACE East Lynn Lake Project and encompasses 3,144 acres (WVDNR 2007b).

1.3 Socioeconomic Resources

Socioeconomic resources are resources that provide social or economic value to, and are currently available to, regional and local communities. Examples include:

- heavy industrial businesses such as mining, forestry, or construction
- light industrial businesses such as transportation or warehousing

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- agriculture
- commercial businesses such as retail stores
- services such as hospitals and other health care facilities, and tourism businesses
- · developed natural resource uses such as flood control and recreation facilities, and
- social organizations such as churches, 4H, the Community Educational Outreach Service, and scouting organizations.

1.4 Socioeconomic Indicators

Socioeconomic indicators are factors that measure:

- the effects that proposed project alternatives may have on different resource conditions,
- the magnitude of any change from current conditions.

Examples include:

- statistical characteristics of human populations (referred to as demographic information) such as population size, in-migration and out-migration, housing, and school information
- social values
- economic numbers concerning employment, income, and earnings
- federal, state, and county tax revenue, and
- community services.

Demographic information includes the number of residents in the area, population growth trends, and distribution by age and gender. Housing information includes numbers of housing units, ownership, and vacancy rate. School enrollment and capacity are important considerations in assessing the effects of potential growth on publicly supplied infrastructure.

Information on social conditions includes human geography, cultural traditions and values including faith, and politics. Information on economic conditions includes information on employment by geographic region and by labor sector, unemployment, and income. This information provides a measure of the relative health of the economy, the potential demand for public services and assistance, and the significance of different economic sectors.

1.5 Agency Involvement

Bureau of Land Management

The BLM-MFO is responsible for leasing federal coal in West Virginia, and must assess potential environmental and socioeconomic impacts associated with the proposed mining of the East Lynn

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Lake federal coal. The BLM-MFO is a stakeholder group, and is serving as the lead agency in preparing the East Lynn Lake Coal Lease LUA/EIS.

U.S. Army Corps of Engineers

The land tracts proposed for leasing are situated within the boundaries of the USACE East Lynn Lake Project. As the surface management agency for those land tracts, the USACE is a stakeholder group, and is serving as a cooperating agency in the East Lynn Lake Coal Lease LUA/EIS preparation process. The USACE is concerned about the integrity of the lake, potential impacts to water quality and quantity, and potential impacts to the plants and animals that rely on the lands within the USACE East Lynn Lake Project boundary. The USACE considers the life of its East Lynn Lake Project to be 100 to 200 years, and has expressed concern regarding the proposed mining associated with the Proposed Action. The USACE is concerned about potential impacts to the integrity of the dam, the reservoir, and the land surface within the East Lynn Lake Project that could result from this relatively short-term project—expected to extend mining in the area around the lake by 10 to 15 years (Saunders 2008, Maggard 2007a). As part of the East Lynn Lake Coal Lease LUA/EIS, the BLM prepared the RFDS based on the coal lease applications received from Argus and Rockspring. The Applicants propose only 50 percent extraction, to minimize the potential for surface subsidence. The Applicants also propose to maintain a 200-ft barrier around East Lynn Lake, a 100-ft protective barrier in the vicinity of coal outcrops, and to avoid mining wherever overburden thickness is less than 100 ft.

Geologic and mineral resource specialists performed a preliminary subsidence assessment of the RFDS, and the specialists concluded that minimal subsidence would occur if the RFDS were implemented. Subsequently, resource specialists assessed the likelihood and significance of potential impacts to environmental resources, including geologic and mineral resources, water resources, soils, vegetation, and plants and animals. Based on available information, the specialists concluded that no significant short-term or long-term impacts would occur if the RFDS were implemented. Consequently, if the RFDS is implemented no short-term or long-term impacts are expected to occur at the USACE East Lynn Lake Project as a result of the RFDS.

Furthermore, if the Proposed Action is selected, the successful bidder(s) would be required to obtain operations permit(s) from the WVDMR in accordance with Article 3 of the *Surface Mining Control and Reclamation Act* (SMCRA). As part of the permitting process, the WVDEP would conduct a cumulative hydrologic impact assessment (CHIA) for each application to determine whether the proposed operation has been designed to prevent material damage to the hydrologic balance outside the permit area.

U.S. Office of Surface Mining, Reclamation, and Enforcement

The U.S. Office of Surface Mining, Reclamation, and Enforcement (OSM) has regulatory authority for the surface aspects of mining (roads, ponds, facilities), and the BLM has regulatory authority for the actual mining of federal coal. The OSM and the BLM are responsible for providing

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recommendations to the Secretary of the Interior regarding approval, disapproval, or conditional approval of mine plans on lands contained within federal lease areas. In this regard, the OSM reviews potential surface impacts and the BLM reviews mining plans prior to submittal of recommendations to the Secretary of the Interior. If the NEPA process determines that there may be surface impacts resulting from mining on the nine proposed lease tracts, the OSM, with input from the BLM and USACE, also would be responsible for providing recommendations to the Secretary of the Interior concerning the issuance of findings as to whether or not the proposed lease and mining areas contain significant recreational, timber, economic or other values that may be incompatible with the proposed mining activities. With these responsibilities, the OSM is a stakeholder group serving as a cooperating agency in the East Lynn Lake Coal Lease LUA/EIS preparation process.

West Virginia Department of Natural Resources

The West Virginia Department of Natural Resources manages a wildlife area within the USACE East Lynn Lake Project. This stakeholder group shares the USACE's concerns regarding potential impacts to the plants and animals, and is serving as a cooperating agency in the East Lynn Lake Coal Lease LUA/EIS preparation process.

U.S. Environmental Protection Agency and Council on Environmental Quality

The U.S. Environmental Protection Agency (USEPA) and the Council on Environmental Quality (CEQ) are responsible for overseeing the environmental analysis process mandated by the National Environmental Policy Act. These two stakeholder groups participated in the East Lynn Lake Coal Lease LUA/EIS preparation process by overseeing the process and reviewing the document.

West Virginia Division of Mining and Reclamation

If the Proposed Action is selected and the RFDS is implemented, the BLM will initiate the competitive bidding process. The successful bidder(s) will be required to submit application(s) for operations permits to the WVDMR in accordance with SMCRA Article 3. With responsibility for issuing operating permits, the WVDMR is a stakeholder group indirectly involved in the East Lynn Lake Coal Lease LUA/EIS.

West Virginia Department of Environmental Protection

The West Virginia Department of Environmental Protection (WVDEP) is responsible for monitoring and assessing the quality of state waters under the federal *Clean Water Act* (CWA). Numerous state waters are located in Wayne County, including East Lynn Lake and the streams within its watershed. In addition, if the Proposed Action is selected and the RFDS is implemented, the successful bidder(s) would be required to obtain operations permits from WVDMR. As part of the permitting process, the WVDEP would conduct a cumulative hydrologic impact assessment (CHIA) for each permit application to determine whether the proposed operation has been designed to prevent material damage to the hydrologic balance outside the permit area. The NEPA documents also would be used to evaluate impacts, and to identify potential mitigation measures. With these responsibilities, the

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WVDEP is a stakeholder group indirectly involved with the East Lynn Lake Coal Lease LUA/EIS process.

Wayne County Commission

The Wayne County Commission, which serves as the governing body of Wayne County, has a social and an economic interest in the proposed mining. While the commission is not a cooperating agency, the commissioners have expressed concern regarding potential environmental effects, including impacts to East Lynn Lake. In addition they are concerned with the economic health of the county and so are concerned with potential benefits such as royalties and severance tax revenues.

1.6 Information Sources

The following wide range of materials including formal statistics, planning documents, research analyses, published studies, and personal communications were used to complete this report:

- National statistical agencies
 - U.S. Census Bureau, various dates. Population statistics. Internet Web site.
 - Bureau of Economic Analysis. Internet Web site.
 - Federal Reserve Bank of Richmond.
 Socioeconomic data. Internet Web site.
 - National Center for Education Statistics. Internet Web site.
- State and local planning documents prepared by the State of West Virginia Development Office (WVDO) and Wayne County include:
 - West Virginia Statewide Comprehensive Outdoor Recreation Plan (WVDO 2003)
 - State Appalachian Development Plan for the Appalachian Regional Commission (WVDO 2005)
 - the *Land Use Master Plan, Wayne County, WV*, prepared by E.L. Robinson for the Wayne County Commission and dated April 14, 2004 (Wayne County 2004)
 - Wayne County Profile; Workforce Investment Area 2 (Workforce West Virginia 2007).
- Documents prepared by regional planning commissions—West Virginia
 University's Regional Research Institute, Centers for Business and Economic
 Research (CBER) at Marshall University and the University of Kentucky, the
 KYOVA Interstate Planning Commission, and federal agencies, specifically
 the Appalachian Regional Commission (ARC), and the U.S. Environmental
 Protection Agency (USEPA), in the area include:
 - Regional Data and Research Reports (ARC 2007)

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- 2007 West Virginia County Data Profiles: Wayne County (West Virginia University, Bureau of Business and Economic Research 2007)
- West Virginia Population Estimates and Projections (West Virginia University, Regional Research Institute 2005)
- A Study on the Current Economic Impacts of the Appalachian Coal Industry and its Future in the Region [ARC] (Thompson and others 2001)
- Coal Production Forecasts and Economic Impact Simulations in Southern West Virginia [Marshall University CBER] (Burton, Hicks and Kent 2001).
- Long Range Transportation Plan. (KYOVA Interstate Planning Commission 2002)
- Draft Programmatic Environmental Impact Statement: Mountaintop Mining/Valley Fills in Appalachia (USEPA 2003).

• Local organizations and agencies

- Wayne County Economic Development Association. Internet Web site.
- West Virginia Association of Counties. Internet Web site.
- West Virginia Coal Association (WVCA). West Virginia Coal Facts 2007.
- West Virginia Office of Miners' Health, Safety and Training.
- The Huntington Regional Chamber of Commerce, serving Wayne and Cabell Counties.
- West Virginia Geological and Economic Survey (WVGES).
 At a Glance–Wayne County 2007. Charleston, WV. Internet Web site.
- West Virginia State Fire Marshal Office. Internet Web site.
- St. Mary's Medical Center. Internet Web site.

Newspaper

- The Wayne County News.
- Personal communications were used to verify local data that are not otherwise published.
 - Mark Barton, Chief Engineer, Rockspring Development Inc. regarding: Rockspring Development employment and financial information.
 - Randy Maggard, Manager, Argus Energy WV, LLC.

- Melissa May, Controller, Argus Energy and Becky Hall, Payroll Administrator, Argus Energy, regarding: Argus Energy employment and financial information.
- G. Michael Smith, Resource Manager, USACE regarding: recreational resources at USACE East Lynn Lake Project.
- Dale Stamper, U.S. Postmaster, Dunlow, WV.
- Anthony Carrico, West Virginia State Fire Marshal Office.
- City of Huntington Fire Department.
- Town of Wayne Police.
- West Virginia State Police.

2.0 SOCIOECONOMIC OVERVIEW

The socioeconomic conditions in the multi-state region, the state, and local planning area of Wayne County are introduced in sections 2.1 through 2.3, and are described in more detail in chapters 4.0 (Social Conditions) and 5.0 (Economic Conditions). A brief overview of the economic aspects of coal mining and processing is presented in section 2.4 (Overview of Coal Economics), and detailed information about coal mining in the state, the county, and the area in the vicinity of the proposed lease tracts is presented in chapter 5.0 (Economic Conditions).

2.1 Overview of the Region

Socially and economically, West Virginia and Wayne County are closely linked to the larger Appalachian region. The area defined as "Appalachia" depends on the focus of a given study and geographers over time have used slightly different boundaries. All definitions include the whole of West Virginia however, and the state is located at very nearly the center of every defined area (Raitz and Ulack 1984). A formal definition of the area was part of the legislation (PL 89-4) that created the Appalachian Regional Commission in 1965. Cultural and economic systems have developed in this area to reflect the rugged topography, humid climate, and the extensive coal resources that have been exploited over the past century and a half.

The Appalachian Regional Commission

The Appalachian Regional Commission (ARC) works in partnership with the states in the region to create opportunities for self-sustaining economic development and improved quality of life. Appalachia, as defined in the legislation from which the ARC derives its authority, is comprised of 410 counties, which includes all of West Virginia and parts of 12 other states: Alabama, Georgia, Kentucky, Maryland, Mississippi, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, and Virginia. The Commission uses an index-based county economic classification system to identify and monitor the economic status of the Appalachian counties.

In Raitz and Ulack (1984), Wayne County is included in the southernmost part of the Northern subregion and adjacent to the Central subregion (figure 2.1-1). Raitz and Ulack (1984) report that whereas the Northern subregion of the ARC classification is described as "an old industrial-based economy undergoing modernization," Central Appalachia is characterized as the poorest of the subregions, with coal as its primary resource. The traditional economic base in Central Appalachian subregion counties is agrarian but is now in transition to an urban and industrial economy.

To apportion ARC funds most effectively, the organization ranks the 410 counties by five economic status designations—distressed, at-risk, transitional, competitive, and attainment—with counties designated as distressed being the counties most in need of improvement. The designations are based

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on a comparison of county and national averages for three economic indicators: three-year average unemployment rate, per capita market income, and poverty rate (Pollard 2003).

In 2006, Wayne County's risk level was downgraded from the transitional position it held in previous years (ARC 2007), and for the fiscal years 2006-2008, Wayne County is defined as being at the "at-risk" economic level. At-risk counties are those at risk of becoming economically distressed. They rank among the most distressed 10 to 25 percent of the nation's counties.

In a study prepared for ARC using 2000 Census data, Pollard (2003) identifies the ways in which the Appalachian region is distinct from the rest of the United States. The demographics indicate conditions common to the region:

- Although population increased by nearly 2 million persons between 1990 and 2000, the rate of growth remained slower than that of the rest of the nation.
- Racial and ethnic diversity remains virtually nonexistent in nearly half of Appalachia's counties.
- The population is aging earlier than the rest of the country—the median age is higher with fewer children and more elderly.
- Traditional families are less prevalent, likely as a result of this older age structure. There
 are proportionately more persons living alone, mostly among those 65 years of age or
 older.
- Based on a variety of economic, labor force, and education measures, these counties still
 lag behind other American counties: they are less dependent on manufacturing and more
 dependent on a very diverse service sector, and due to the 1990s economic boom,
 unemployment is now closer to that of the rest of the nation.
- Appalachians are more likely to be natives of their home states, and much less likely to have been born in another country.
- Housing vacancy is more common, but so is homeownership. Both owners and renters are more likely to live in affordable housing.
- Though commuting is becoming more common place, commutes remain shorter than in the rest of the United States.

Huntington-Ashland-Ironton, WV-KY-OH Metropolitan Statistical Area

Huntington is one of the major cities in the southwestern portion of West Virginia, and has been included in the more urbanized region of the Ohio Valley. In 1966, the U.S. Census Bureau designated the urbanized area of the Huntington-Ashland-Ironton, WV-KY-OH, metropolitan statistical area (MSA) to provide a recognized geographical area of activity (figure 2.1-2). This MSA includes numerous counties and towns (KYOVA 2007):

- Cabell and Wayne Counties and the city of Huntington in West Virginia
- Lawrence County and the city of Ironton in Ohio
- Boyd County, Carter County, the town of Green Up, and the city of Ashland in Kentucky

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The Huntington Development Area Council (HADCO) serves to attract new employers to Cabell and Wayne Counties in West Virginia and to retain existing employers and to help all employers expand their businesses (HACDO 2007).

As of the 2000 census, the MSA had a population of 288,649. As a part of the Huntington Development Area, Wayne County and much of the region depend on employment in the nearby city of Huntington (KYOVA 2002). The KYOVA identifies the following major employers in the Huntington-Ashland WV-KY-OH MSA:

- St. Mary's Medical Center
- Marshall University
- Cabell Huntington Hospital
- CSX Huntington
- GC Services
- Special Metals
- Veterans Administration Medical Center
- Alcon Manufacturing Ltd
- USACE

2.2 Overview of West Virginia

West Virginia is noted for its great natural beauty and its historically significant logging and coal mining industries. One of the major resources in West Virginia's economy is coal. Since 1863, the state has mined nearly 13 billion tons of coal, and in 2005 the state mined 159.5 million tons of coal, 98.6 million tons of which came from underground operations (WVCA 2006). Although the state is also engaged in oil and gas drilling and production, only a few small- to medium-sized oil and natural gas fields are being developed. Farming and ranching are practiced in West Virginia on a limited basis due to the mountainous terrain over much of the state. The state is also well known as a tourist destination for people interested in outdoor activities such as skiing, whitewater rafting, rock climbing, spelunking, fishing, and hunting.

The economy of West Virginia is one of the most fragile of any U.S. state. According to U.S. Census Bureau data, West Virginia is the third lowest in per capita income, ahead of only Arkansas and Mississippi. It also ranks last in median household income. The proportion of West Virginia's adult population with a bachelor's degree is the lowest in the U.S. at 11.9 percent (ARC 2007).

2.3 Overview of Wayne County

Wayne County currently ranks 13th in the state based on population size (Wayne County 2004). Communities within Wayne County can be divided into regional cities, rural towns, and outlying rural areas. Huntington in Wayne County (2000 population: 51,475) and Charleston in Kanawha County (2000 population: 53,421) are considered regional cities and provide services, shopping alternatives, and diverse amenities for leisure and recreation. However, the larger portion of Huntington is located in neighboring Cabell County. Wayne County's smaller cities/incorporated towns such as Kenova (2000 population: 3,485), Fort Gay (2000 population: 819), and Wayne (2000 population: 1,105) have smaller populations and also serve as employment, shopping, and service areas (Census 2000). The town of Wayne is the county seat and hosts the county courthouse, elementary, middle and high schools, a choice of churches, and many businesses.

The Rural Policy Research Institute (RUPRI) was established in 1990 in response to concerns expressed in the Senate Agricultural Committee that little to no objective non-governmental information and analysis regarding the rural and community impacts of public policy decisions was available. RUPRI provides information on the challenges, needs, and opportunities facing rural America to help policymakers understand the rural impacts of public policies and programs.

Wayne County is classified by the U.S. Census Bureau as one of West Virginia's 21 metropolitan counties, due to the presence of Huntington. Of West Virginia's 55 counties only 26 are considered "non-core," that is neither metropolitan (population greater than 50,000) or micropolitan (population of 10,000 to 50,000). However, RUPRI considers that more than half of the country's rural areas are situated in metropolitan counties (Miller 2006) and reports that the Census Bureau statistics show that only 25 percent of West Virginians live in rural counties.

Based on the population of zip code 25704 that represents the part of Huntington that is in Wayne County, nearly 40 percent of the county population lives in Huntington (2000 population for 25704: 17,017 and 2000 population for Wayne County: 42,903), so the statistics for Wayne County are clearly skewed toward the metropolitan environment, and understate the rural conditions and poverty found in the rural portions of Wayne County most affected by the proposed federal coal lease. For this reason, whenever available, statistics for the town of Wayne are included to more closely represent the actual conditions in the vicinity of the proposed lease tracts.

The three communities closest to the proposed lease tracts—East Lynn to the north, Genoa to the west, and Dunlow to the southwest—are unincorporated and do not have official population statistics. The largest of these communities, East Lynn (2000 population: approximately 1,100) has a grocery store and a post office in a permanent brick building that is staffed during regular business hours. Genoa (2000 population: approximately 300) is located roughly half-way between East Lynn and Dunlow, and offers an elementary school and several churches. In Dunlow (2000 population:

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approximately 340), the post office is housed in a trailer, and is the center of town, along with the local garage, a grocery/convenience store, and a restaurant that is currently closed (Stamper 2007). An elementary school and a senior center are also located in the vicinity of Dunlow (Maggard 2007b).

Natural resources are a main source of income to the residents of Wayne County, as the local economy relies heavily upon bituminous coal mines, oil and natural gas wells, and the sand and gravel industry. The county also relies upon income generation from livestock, fruit, and tobacco farms (WVCA 2006).

Wayne County has abundant pristine and natural areas, including Beech Fork Lake and State Park in the northern part of the county and Cabwaylingo State Forest in the southern part of the county. Beech Fork Lake and State Park is a 3,144-acre park popular for recreation boating, fishing, hiking, biking, and wildlife watching experiences that is located near Lavalette (WVDNR 2007b). Cabwaylingo State Forest is comprised of 8,123 acres known for recreational activities including hiking, picnicking, swimming, hunting, fishing, and camping. Thirteen standard cabins, completely furnished for housekeeping, are available from mid-April until late-October (Marshall University 2005a).

In addition, Wayne County is home to the USACE's East Lynn Lake/WVDNR Wildlife Management Area, a popular location for camping, boating, water-skiing, and trout and warm water fishing. Biking, horseback riding, and hunting for deer, waterfowl, and small game are also available on adjacent public lands. East Lynn Lake is 12 miles long with 1,005 acres of water and 44 miles of shoreline at summer pool level. The USACE East Lynn Lake Project is comprised of a total of 24,821 acres of lands and waters. The WVDNR manages 22,928 acres for Fish, Wildlife, and Forestry Management under a license agreement with the USACE (Marshall University 2005b).

Other notable points of interest in Wayne County include Virginia Point Park, Camp Mad Anthony Wayne, Dreamland Pool, Wayne Community Pool, Camden Park (amusement park), Sugarwood Golf Course, Lavalette Golf Course, and Spring Valley Golf Club (Wayne County Economic Development Association 2003).

2.4 Overview of Coal Economics

The economic role of coal mining can be measured by the percentage of total employment and earnings directly attributed to coal mining. In addition to coal mining wages, federal royalties and fees, along with state severance taxes also dramatically add to the state and local economy.

The University of Kentucky Center for Business and Economic Research (UKYCBER) completed a *Study on the Current Economic Impacts of the Appalachian Coal Industry and Its Future in the Region* in 2001. Thompson and others (2001) divided the 118-county Appalachian region studied into three regions: northern, central, and southern Appalachia. Central Appalachia included the

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border counties where Kentucky, West Virginia, and Virginia meet—including Wayne County. Within the Appalachian region as a whole, coal mining employment is concentrated in central Appalachia. Figure 2.4-1 shows total coal production (1997) by county in the Central Region as reported in the UKYCBER study (Thompson and others 2001). While coal mining is declining from a once dominant role in the West Virginia economy, it continues to contribute significantly, accounting for over three percent of that state's total employment and over five percent of total earnings (USEPA 2003). Some West Virginia counties are still dependent on coal extraction as an economic driver. In the study prepared for the Mountaintop Mining/Valley Fill EIS (USEPA 2003), mining made up more than ten percent of employment and personal earnings in a number of the West Virginia study area counties in 1998. For Wayne County, mining jobs accounted for 16 percent of employment in 1998, and 8.6 percent of total earnings.

While mining jobs are becoming more skilled and less plentiful, wages are higher than in the past. A study at Marshall University's Center for Business and Economic Research (MUCBER) showed that coal production in nine counties in southern West Virginia increased by 40 percent over the period 1980-1998 even as underground employment declined by 70 percent and surface mining employment declined by 50 percent. During the same period however, average underground mining productivity in West Virginia quadrupled from 2,100 tons per employee in 1980 to 8,000 tons per employee in 1998 (Burton, Hicks and Kent 2001).

Marshall University's study area, which did not include Wayne County, lost half of its mining jobs in the period from 1980 to 1990. The rate of loss slowed for the period 1990-1997, and has stabilized to be less now than the state overall. Some dramatic statistics were cited in the *Mountaintop Mining/Valley Fill EIS* (USEPA 2003): in 1980, six of the West Virginia study area counties had more than 4,000 mining employees; but by 1997 none of the counties had 4,000 or more employees.

The economic impact of mining extends beyond the county where a mine is located. When one economic activity in a community results in induced or indirect socioeconomic benefits in that community or in a wider region, this effect is referred to as the multiplier effect. For example, a business owner may start a company or expand an existing business and earn increased revenue, directly benefiting from the activity. If that business owner increased wages of his existing employees or hired additional staff as a result of the start-up or expansion, then those employees' earning and spending power is affected, altering supply and demand patterns within a community, and engendering and promoting employment. Additional revenues and monies within a community also increase its ability to further promote greater local economic and social activity, such as developing new infrastructure and improving or expanding recreational facilities and opportunities.

With regard to the coal mining industry, coal miners commonly commute long distances to jobs. Thus, while the published employment numbers indicate where the wages are earned, the numbers do not reflect where the wages are spent. In addition, the businesses that provide inputs to the local coal

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industry can be located in other counties or states (USEPA 2003). When the multiplier effect of mining jobs is considered, the influence is much greater than first expected.

At the state level, the West Virginia Development Office (WVDO) prepared an economic impact study of the coal mining industry in West Virginia for 2006. WVDO calculated direct, indirect and induced effects of the mining industry (Peterson 2007). Direct effects are those generated by the industry itself; indirect effects account for the impact of the industry and its employees spending money in the state; and induced effects represent the impacts of new household income created by direct and indirect spending. Results of WVDO's IMPLAN economic impact model are shown in table 2.4-1.

Table 2.4-1 Economic Impact of the Coal Mining Industry in West Virginia, 2006

Effect	Employment	Labor Income (\$)	Industrial Output (\$)	State and Local Taxes (\$)
Direct	18,365	1,635,693,000	6,502,714,000	624,474,000
Indirect	10,352	543,381,000	2,169,257, 000	117,506,000
Induced	15,578	441,093,000	149,242,300	89,371,000
TOTAL EFFECTS	44,295	\$2,620,167,000	\$8,821,213,300	\$8,331,351,000

Source: WVDO 2007

In the analysis of these data, WVDO developed the following multipliers (WVDO 2007):

- For every one job in the state's coal mining industry in 2006, an additional 1.4 jobs were created elsewhere in the state's economy. While the mining industry directly supplies only 18,365 jobs, the multiplier effects indicate that the industry is responsible for a total of 44,295 jobs.
- For every \$1 in wages and benefits paid by the coal mining industry, an additional 60 cents in wages and benefits were paid elsewhere in the state's economy. While the direct industry wages are less than \$1.7 billion, the multiplier effects indicate that the industry is responsible for a total of more than \$2.6 billion in wages.
- For every \$1 in industrial output from the coal mining industry, an additional 36 cents in industrial output was created elsewhere in the state's economy. While the mining industry is directly responsible for \$6.5 billion in output, the multiplier effects indicate that the industry is responsible for more than \$8.8 billion in industrial output.
- For every \$1 in state and local taxes paid by the coal mining industry, an additional 33 cents in taxes were paid by spin-off businesses and their employees. While the industry pays nearly \$624.5 million in taxes, total tax revenue generated is more than \$8.3 billion.

Other market conditions also influence coal economics. Recently, other countries have begun competing with the U.S. to supply coal to the global market, thereby reducing the demand for U.S. coal. However, as the cost of global sources of oil increases, the demand for domestic energy sources such as coal will increase. If the current trend continues, domestic and possibly foreign demand for the coal remaining in the Appalachian region likely will increase in the coming years.

The chemical properties of coal also affect coal economics. Remaining coal reserves in the Appalachians contain higher sulfur levels than the coal found in other regions of the country, primarily the Powder River Basin in Wyoming. Air-borne sulfur compounds that contribute to acid rain are regulated under Title IV of the *Clean Air Act* (42 USC 7651). As a result, power plant operators are purchasing coal that is lower in sulfur, as well as installing and maintaining scrubbing equipment to remove sulfur from stack emissions. Coal containing higher sulfur concentrations is becoming less and less valuable in the U.S. and other countries. Additional emissions regulations may be implemented in the future that would further reduce the value of higher-sulfur content coal typically found in the Appalachian region.

Perceived or real impacts to water quality and other environmental issues also impact coal economics. Non-government organizations (NGOs) are concerned about water quality and other environmental issues that they associate with surface mining activities. In particular, NGOs are opposed to surface mining that involves removal of large amounts of overburden to access coal seams, known as "mountaintop mining." The NGOs are requesting that federal and state agencies implement more stringent environmental regulations. If these regulations are enforced, coal companies would face dramatic cost increases related to mining the coal and disposing of overburden.

In addition, safety requirements also impact coal economics. Since the recent underground coal mine incidents in West Virginia and Utah, federal and state agencies have been examining current underground mining methods and are proposing additional safety regulations in an effort to address such accidents and avoid similar accidents. As a result, coal companies are facing increased costs to implement safety programs and install safety measures.

3.0 DEMOGRAPHIC CHARACTERISTICS

Demographic characteristics are developed primarily from the 2000 Census. The following tables for the state of West Virginia, Wayne County and the town of Wayne are provided as appendix A:

- Table DP-1 Profile of General Demographic Characteristics
- Table DP-2 Profile of Selected Social Characteristics
- Table DP-3 Profile of Selected Economic Characteristics
- Table DP-4 Profile of Selected Housing Characteristics

Selected statistics are given in this text for comparison and additional statistics provided as needed to provide a longitudinal portrait.

3.1 Population

In 2000, population for the Huntington-Ashland-Ironton MSA was 288,649. The state's current population is predominantly rural, having the second lowest proportion of persons living in an urban area (WVDO 2003). The greatest population decline in the region occurred in the years following the Korean War when machines replaced many workers in the coalfields. Longitudinal statistics from 1970-2000 for West Virginia, Wayne County and the closest towns to the USACE East Lynn Lake Project area are presented in table 3.1-1. The U.S. Census Bureau estimates that the total population in Wayne County for 2006 was 41,647 (U.S. Census Bureau 2007a), down from 42,903 in 2000 (U.S. Census Bureau 2007a). The 2000 population was a 3 percent increase from its 1990 population of 41,636 (U.S. Census Bureau 1990). Between 1970 and 1980 the county grew by over 8,000 people only to decline again during the next decade by approximately 4,000 people, with total population ranging between 41,000 and 43,000 people. In 2003 Wayne County ranked 13th in the state based on population size, and was the 34th fastest growing county of West Virginia's 55 counties (Wayne County 2004). Both the county and the state population growth rate remained below that of the national rate of 13.2 percent (U.S. Census Bureau 2007a).

Table 3.1-1 Population Totals 1970-2000

	1970-2000		1990-2000					
Region	1970	1980	1990	2000	Change	Percent Change	Change	Percent Change
USA	203,211,926 ³	226,545,805 ³	248,709,873 ³	281,421,906 ²	7,820,998	38.5%	32,712,033 ²	13.2% ²
West Virginia	1,744,237 ³	1,949,644 ³	1,793,477 ³	1,808,344 ²	64,107	3.7%	14,867 ²	$0.8\%^{2}$
Wayne County	37,581 ⁵	46,021 ³	41,636 ⁴	42,903 ¹	5,322	14.2%	1,267	3.0%
Huntington			54,855	51,475 ¹				
Kenova			3,748	3,485 ¹				
Fort Gay				819 ¹				
Ceredo				1,675 ¹				
Town of Wayne Zip Code 25570	1,385 ⁵		1,1284	1,105 ¹	-280	-20.2%	-23	-2.0%
East Lynn Zip Code 25512	N/A	N/A	N/A	1,7521				
Genoa Zip Code 25517				1,703 ¹	_	_		
Dunlow Zip Code 25511	N/A	N/A	N/A	1,105 ¹		_		

N/A=Not available

¹U.S. Census Bureau 2007a,b

²U.S. Census Bureau 2001

³U.S. Census Bureau 1995

⁴U.S. Census Bureau 1990

⁵U.S. Census Bureau 1970

The largest communities in Wayne County are Huntington (2000 population: 51,475) and Kenova (2000 population: 3,485) (U.S. Census Bureau 2007a). Both cities lost population between the 1990 and 2000 censuses, but have recently gained with the 2005 populations of 54,844 for Huntington and 3,748 for Kenova (U.S. Census Bureau 2007b). The larger portion of Huntington's geographic area and its population is located in neighboring Cabell County. Other incorporated communities in Wayne County are Ceredo (2000 population: 1,675) and Fort Gay (2000 population: 819) (U.S. Census Bureau 2007a).

The three communities closest to the proposed lease tracts—East Lynn to the north, Genoa to the west, and Dunlow to the southwest—are unincorporated and do not have official population statistics. Statistics are available for the zip codes served by the post offices located in these communities. The estimated 2000 population for the community of East Lynn is approximately 1,100 (the population for zip code 25512: 1,752). Genoa had an estimated 2000 population of approximately 300 (population for zip code 25517: 1,703). The postmaster in Dunlow estimates the current population at approximately 340 (population for zip code 25511: 1,105) (Stamper 2007) (Maggard 2007b).

A majority of West Virginia residents live in rural areas (53.9 percent), a percentage which is second only to the state of Vermont (61.8 percent) in the U.S. (WVDO 2003). This percentage was even higher in 1990 (table 3.1-2). Figure 3.1-1 shows metropolitan and nonmetropolitan counties in West Virginia. RUPRI (2006) reports that population growth in West Virginia's metro areas has outpaced the non-metro areas, and non-core counties account for most of the areas that have lost population 1990-2000 and 2000-2005. WVDO (2005) indicates that Wayne County is among the counties that have lost population 2000-2004 (figure 3.1-2).

Table 3.1-2 Urban and Rural Population 1990 and 2000

	Total Population,	<u>U</u> r	<u>ban</u>	<u>Rural</u>		
Year	West Virginia	Population	Percentage	Population	Percentage	
1990	1,793,477	648,184	36.1	1,145,293	63.9	
2000	1,808,344	832,780	46.1	975,564	53.9	

Source: U.S. Census 1990a.

Population Trends

Table 3.1-1 displays population trends from 1970 to 2000 and percent change more than the 10-year period in the U.S., West Virginia, Wayne County, and the town of Wayne. The U.S. population has grown 13.2 percent over the past 10 years. West Virginia's population has risen only 0.8 percent in the last decade to 1,808,344 people, whereas the population of Wayne County has grown an average of 3.0 percent to 42,903 people. In contrast, the population of the town of Wayne has decreased slightly (by 2.0 percent), declining from 1,128 people in 1990 to 1,105 people in 2000.

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West Virginia had the smallest increase of any state from the 1990 census to the 2000 census (0.8 percent). In the past, the state showed a slow rise in population to a peak of slightly over two million residents in 1950 to a current total of 1,808,344 persons (WVDO 2003). Low in-migration may be the result of low economic development in the state, and also due to the rugged terrain and limited access of the county (USEPA 2003).

For the past few years in a row, more state residents died than were born (WVDO 2003). Accidents remain the leading cause of death for ages one through 34 years, with motor vehicle accident deaths remaining the principal cause of death (WVDHHR 2000).

Eighty accidental deaths (2000) due to homicide represent six percent of all accidental deaths, as well as a trend downward in assaults in West Virginia. This statistic is consistent with the characteristically low crime rate that the state has sustained for some years (WVDHHR 2000).

Population projection estimates prepared by the Regional Research Institute at West Virginia University, shown in table 3.1-3, anticipate a slight increase over the next ten to twenty years, barring any significant economic changes (Wayne County 2004).

Table 3.1-3
Population Projections 2000-2020

Region	2000	2005	2010	2015	2020	2000-2020 Population Change	2000-2020 Change (%)
USA	281,421,906	295,507,134	308,935,581	322,365,787	335,804,546	54,382,640	19.3
West Virginia	1,808,344	1,746,336	1,769,081	1,796,311	1,826,389	18,045	1.0
Wayne							
County	42,903	42,785	42,847	43,082	43,462	559	1.3

Source: West Virginia University Regional Research Institute 2005

Growth is projected to continue slowly, with recent census data indicating that West Virginia and Wayne County are experiencing a slight net in-migration gain. By 2020 the population of Wayne County is expected to increase by 559 people to reach approximately 43,462 people (Wayne County 2004). Statewide growth projections are modest with an approximate increase of 126,000 persons by the Year 2020, with most growth occurring near the populated centers of the state and along the border with Virginia (WVDO 2003).

The UKYCBER study indicated that between 1997 and 2010, population in the Appalachian region would decline. Central Appalachia is expected to experience the highest decline of the three subregions, at a rate of 1.34 percent, compared to a decline of 0.21 percent in northern Appalachia and a decline of 0.12 percent in southern Appalachia (Thompson and others 2001).

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3.2 Racial and Ethnic Composition

The populations of West Virginia and Wayne County are predominantly white and non-Hispanic. The population size of different ethnic and racial groups has changed little between 1990 and 2000. Based on the available data, trends in ethnic diversity are expected to continue with relatively little change.

Racial and ethnic data from 2000 for the state of West Virginia are shown in table 3.2-1, and racial groups in Wayne County are shown on figure 3.2-1. The county and the state have predominantly white populations, both with percentages over 95 percent. In 2000, the Latino/Hispanic group formed the dominant ethnic group in Wayne County, comprising 0.5 percent of the population. The Black/African American community was Wayne County's smallest ethnic group, comprising 0.1 percent of the population (Census 2000, Table DP-1). At this time, West Virginia has no federally recognized tribes or Native American traditional areas (Anslinger and others 2007).

Table 3.2-1 Race and Ethnicity West Virginia 1990 and 2000

Year	White	Black, African American	Native American, Alaska Native	Asian, Pacific Islander	Some Other Race	Latino, Hispanic, Any Race
1990	98.80%	0.1%	0.2%	0.2%	0.1%	0.5%
2000	99.4%	<0.1%	0.2%	0.1%	<0.1%	0.3%

Source: U.S. Census Bureau 2007b.

According to Census 2000, the racial/ethnic makeup of the town of Wayne was very similar to the makeup of the county: 98.0 percent White; 0.5 percent Latino Hispanic (any race); 0.9 percent Native American; 0.5 percent Asian; 0.4 percent from some other race; and 0.1 percent Black/African American (Census 2000, Table DP-1). The town of Wayne, according to Census 2000, had a population of 1,105 people, with 486 households and 322 families residing in town.

Executive Order 12898 requires that these minority populations be identified so that any potential for environmental impacts to have disproportionate effects on these communities can be identified and, where feasible, mitigated. For these purposes minority communities are defined as Black/African, Hispanic, Asian, Native American or illegal immigrants. Less than 2 percent of the population in Wayne County meets this definition.

Major ancestry groups reported in the 2000 Census are presented in table 3.2-2. Though not all residents reported ancestry groups, the percentages represent the proportion of the total population, not just the proportion of those reporting. Note that nearly a quarter of all residents in Wayne County

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and the town of Wayne report "American" ancestry, most likely indicating that their families have been here for generations.

Table 3.2-2 Ancestry Data 2000 Census

Region	Town of Wayne (percent)	Wayne County (percent)	West Virginia (percent)
Percent Reporting	60.1	66.2	81.2
U.S./American	24.4	25.1	18.8
English	5.3	9.5	9.7
Irish	7.8	8.1	11.0
Scots Irish	5.3	2.3	2.1
German	2.6	6.4	14.0
Other (number of other ancestries cited)	14.7(10)	14.8(13)	25.1(22)

Source: Census 2000. Table DP-1.

Less frequently cited heritage groups for Wayne County are: Dutch, Scottish or Italian (1 percent each); and French (except Basque), European, Welsh, and Polish (less than 1 percent each) (Census 2000, Table DP-1).

3.3 Age and Gender Distribution

The 2000 Census data indicate that youths and middle-aged people comprise the largest part of Wayne County's population, as shown in table 3.3-1. The median age in the U.S. is 38.1 years. West Virginia's median age of 38.9 is the highest of any state in the U.S. (WVDO 2003). The median age in Wayne County is slightly lower at 38.4 (Census 2000, Table DP-1). RUPRI (2006) reports that the percent of the population in the 20 to 44 age groups is greater in the metro areas, while the percent of the population age 55 and older is greater in the non-metro areas.

Table 3.3-1 Age Distribution in Wayne County 2000 Census

Younger than 18 years of age	23.4 percent
Between ages of 18 to 24	8.7 percent
Between ages 25 to 44	27.7 percent
Between ages 45 to 64	25.3 percent
65 years of age or older	14.9 percent

Source: Census 2000, Table DP-1.

The average ratio of men to women in Wayne County is 48.9 to 51.1, similar to the state's ratio of 49.0 to 51.0 (Census 2000, Table DP-1).

3.4 Marital Status

Marital status statistics are presented in table 3.4-1. The percent of the population over age 15 that has never been married is higher in the state (23.1 percent) than in either Wayne County overall (18.5 percent) or in the town of Wayne (14.8 percent). More than half of the population is married in West Virginia overall (55.8 percent) and in the town of Wayne (55.1 percent), just above the national average of 54.5 percent. Wayne County's rate is slightly higher (62.1 percent). The percent of the population that is divorced is higher at the local level (15.9 percent) than at the state and county level (9.8 percent, each) both of which are comparable the national average of 9.7 percent (2000 Census Table DP-2).

Table 3.4-1 Marital Status 2000 Census

	West Virginia		Wayne County		Town of Wayne	
Population						
15 years and older	84,308		34,715		914	
Never married	19,487	23.1%	6,417	18.5%	135	14.8%
Now married,						
(does not include separated)	47,073	55.8%	21,543	62.1%	504	55.1%
Separated	1,168	1.4%	490	1.4%	23	2.5%
Widowed	8,313	9.9%	2,872	8.3%	107	11.7%
Widowed, Female	6,799	8.1%	2,306	6.6%	79	8.6%
Divorced	8,267	9.8%	3,393	9.8%	145	15.9%
Divorced, Female	4,571	5.4%	1,972	5.7%	78	8.5%

Source: Census 2000, Table DP-2

3.5 Education Levels

While West Virginia's educational attainment is poor, educational indicators have improved from 1990. In 2004, the state ranked 47th and 48th in high school and 9th grade attainment, respectively (WVDO 2003). From 1990-2000, the number of people over the age of 25 in the county with advanced education has increased. However, the 2000 statistics show that the town of Wayne has dramatically lower levels of educational attainment than Wayne County or West Virginia (table 3.5-1). Approximately 82.5 percent the state's population and 70.5 percent of Wayne County's population

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had at least a high school level education (table 3.5-1). In contrast, approximately 58.3 percent of the population in the town of Wayne had at least a high school level education (table 3.5-1). Approximately 17.3 percent of the state's population had obtained an advanced degree, whereas only an estimated 9 percent of the population in the town of Wayne County had obtained an advanced degree (table 3.5-1).

Table 3.5-1 Education Levels 2000 Census

	West Virginia		Wayne County		Town of Wayne	
Population 25 years and older	70,926		29,223		748	
Percent High School graduate or higher		82.5%		70.5%		58.3%
Less than 9th grade	4,609	6.5%	3,481	11.9%	172	23.0%
9th to 12th grade, no diploma	7,781	11.0%	5,128	17.5%	140	18.7%
High School (or GED)	29,444	41.5%	11,242	38.5%	264	35.3%
Percent Bachelor's degree or higher		17.3%		11.9%		9.0%
Some college, no degree	12,822	18.1%	4,707	16.1%	91	12.2%
Associate degree	3,971	5.6%	1,200	4.1%	14	1.9%
Bachelor's degree	7,611	10.7%	2,100	7.2%	26	3.6%
Graduate or professional degree	4,688	6.6%	1,365	4.7%	41	5.5%

Source: Census 2000, Table DP-2

RUPRI (2006) reports that the percent of the population age 25 and over that has earned a Bachelor's degree or higher is 24.4 percent in the U.S. and 14.8 percent in West Virginia, as shown on figure 3.5-1.

3.6 Housing

Table 3.6-1 shows housing occupancy type and vacancy for the state of West Virginia and Wayne County in 1990 and 2000. According to the 2000 Census, there were 19,107 households in Wayne County (table 3.6-1). The average number of persons per household was 2.48, which is slightly higher than the statewide average of 2.4 (table 3.6-1). The town of Wayne has the smallest household

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number of 2.23. Of these households, the majority are families, with a small percentage made up of people 65 and over living alone. Household size decreased slightly in the state as well as the county between 1990 and 2000.

Table 3.6-1 County Housing Estimates 1990-2000

		1990 ¹			1990-2000		
Region	Housing Units	Vacancy Rate (%)	Persons Per Household	Housing Units	Vacancy Rate (%)	Persons Per Household	Housing Units Change (%)
West							
Virginia	688,577	2.2	2.55	844,623	2.2	2.40	22.7
Wayne							
County	15,626	1.3	2.66	19,107	1.5	2.48	22.3
Town of							
Wayne	460			561	10.7	2.23	21.9

Sources: ¹Census 1990, CP-1-50, Tables 2, 39, and 57

²Census 2000, Table DP-1

Between 1990 and 2000, the number of housing units in the state increased by 22.7 percent. Wayne County experienced a slightly lower increase of close to 21 percent in the total number of housing units. The growth in the number of housing units in the state and the county occurred as a result of population growth, particularly in the larger regional cities such as Huntington.

The rate of home ownership in the state of West Virginia is only 24.8 percent, compared to the much higher rate of 78.1 percent in Wayne County (table 3.6-2). The state's rate of ownership without mortgage (47.7 percent) is also lower than in Wayne County (50 percent) and the town of Wayne (56.6 percent). State-wide, the average monthly mortgage is more than \$700, which is significantly higher than the \$200 average for the county and town. Likewise, the state average for rent (\$401) is higher than the rent for Wayne County (\$382) or the town of Wayne (\$366).

Table 3.6-2 Housing Ownership and Occupancy 2000 Census

	West Virginia		Wayne County		Town of Wayne	
Population	1,808,344		42,903		1,105	
Owner-occupied housing units	392,928	24.8%	13,466	78.1%	311	64%
Average Household size (Owner-occupied)	2.47		2.55		2.19	
Median Value	\$72,800		\$70,900		\$55,100	
Median Mortgage	\$713		\$200		\$195	
Not Mortgaged	187,613	47.7%	4,458	50%	151	56.6%
Renter-occupied housing units	182,782	24.8%	3,773	21.9%	175	36%
Average Household size (Renter-occupied)	2.17		2.23		2.3	
Median Rent	\$401		\$382		\$366	
Vacant Housing Units	108,142	12.8%	1,868	9.8%	75	13.4%

Note: All dollar values are given as reported by the U.S. Census, unadjusted for inflation

Source: Census 2000, Tables DP-2 and DP-4

3.7 Commuting Patterns

Workers in Wayne County commute to their places of employment as shown in table 3.7-1. In the town of Wayne, more people walk to work than in the rest of the county or the state. Transit systems in Huntington and the other large cities account for the public transit numbers in the state and the county. The town of Wayne has no public transportation. The distance from Huntington to the town of Wayne is 18 miles and takes somewhat more than half an hour to drive; the distance from Huntington to East Lynn is 26 miles and takes closer to an hour to drive. Driving in from Kentucky is not a difficult commute; the drive from Louisa, Kentucky to Wayne, West Virginia is less than 17 miles and takes about half an hour. South Point, Ohio is directly across the Ohio River from Kenova and the commute is about 24 miles that takes 40 minutes to drive.

Table 3.7-1 Commuting Patterns Wayne County 1990-2000

	West Virginia	Wayne County	Town of Wayne
Workers, 16 yrs and older	718,106	15,851	361
Walk to Work	2.9%	2.0%	7.2%
Public Transit	0.8%	0.5%	_
Carpool	12.7%	9.7%	9.7%
Drive Alone	80.3%	85.2%	77.6%
Mean Travel Time (minutes)	26.2	28.3	25.7

Source: U.S. Census Bureau, 2000 Census Table DP-3

Rockspring employs 393 people at its existing facilities near the proposed lease tracts. About 37 percent of the Rockspring employees live in Wayne County, with over 18 percent living in communities near the proposed lease tracts. Another 37 percent live in adjoining counties in West Virginia (table 3.7-2). Argus employs 238 people at its existing facilities near the proposed lease tracts. Almost one-third of the Argus employees live in Wayne County, with over 19 percent living in communities near the proposed lease tracts. Another 50 percent of Argus employees live in adjoining counties in West Virginia. Only 16 percent of Argus employees live in the adjoining states of Kentucky, Ohio and Virginia (table 3.7-2).

Table 3.7-2 Applicants' Employees and Their Communities of Residence

	ROCK	SPRING	ARGUS		
	PERCENTAGE			PERCENTAGE	
	NUMBER OF	OF	NUMBER OF	OF	
LOCATION	EMPLOYEES	EMPLOYEES	EMPLOYEES	EMPLOYEES	
Wayne County	_				
Communities near the proposed					
lease tracts					
East Lynn or Wayne	48 (East Lynn)				
(same zip code)	14 (Wayne)	15.8	6	2.5	
Genoa	4	1.0	11	4.6	
Dunlow	7	1.8	29	12.2	
Subtotal, Communities near the					
proposed lease tracts	73	18.6	46	19.3	
Other communities within Wayne					
County	71	18.1	32	13.4	
Subtotal, Wayne County	144	36.6	78	32.8	
Subtotal, Adjacent Counties In					
West Virginia	145	36.9	121	50.8	
Other States					
Kentucky	103	26.2	37	15.5	
Ohio	1	0.3	1	0.4	
Virginia			1	0.4	
Subtotal, Other States	104	26.5	39	16.4	
Total	393	100	238	100	

4.0 SOCIAL CONDITIONS

Most lifestyles of the planning area residents are associated with place and community, as well as with natural resource development, such as mining.

4.1 Human Geography

Senator Robert C. Byrd has represented West Virginia in Congress since 1953 (first serving in the House of Representatives, then in the Senate). He sums up the salient values of West Virginia, citing the interaction with the landscape in this passage from Evans and others (2004):

We've had to fend for ourselves. We've been looked down upon, laughed at, scorned, made fun of, called hillbillies, but we're determined to believe in ourselves, and we know we can do anything others can.... And the people here have something else: steadfast faith. They're used to hard times, and they can go through them again.

When we hear politicians talk about family values, this is where you find them. This is where our forefathers came and hewed the forest and carved out a living in the rivers and the mountains. Here, where the mountains meet the sky, the men and women who come from these mountains are so much like the mountains.

The geomorphology of southern West Virginia, like much of Appalachia, is reflected by the population that settled the region, who were then in turn formed by the rugged territory, and specific values and attitudes have been reinforced by the natural setting in which they found themselves. When the English arrived in the Americas, they settled the coasts, leaving the interior lands open to the Germans and Scots-Irish who began to arrive in the 1720s. Later, the Germans and Scots-Irish were joined by Welsh, French Huguenots, Irish, Swiss, Separatists from England, and other north Europeans (Raitz and Ulack 1984). The range of ancestries that settled in West Virginia is shown in table 3.2-2. Note that a large proportion of the population has been here for generations and now consider themselves to be "American" rather from an ethnic group.

While census statistics show that the region is predominantly homogenous and "non-Hispanic white," diverse cultural heritages that the settlers brought with them, as shown in table 3.2-2, influenced a range of cultural values. In agriculture practice alone, we observe the individual family-farm based on mixed intensive agriculture developed by the Germans that contrast with the Scots-Irish farms which are dispersed with cattle grazing and kitchen garden, as was common in the Celtic countries of Ireland and Scotland. While the Germans established urban communities, the Scots-Irish settled on isolated farmsteads. The Germans preferred the rolling valley floors, where the Scots-Irish often preferred land in forested coves and mountainsides. Other cultural elements that eventually diffused into Appalachia were indigenous or English (Raitz and Ulack 1984).

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Appalachia was settled later than the coastal states and did not develop broad commerce due to the narrow valleys and many streams that made travel and trade difficult. Appalachia was not recognized as a separate socio-cultural region until the latter part of the nineteenth century. At the same time, during the 1870s, the region became a favorite of the "local color" movement. Artists and novelists published romantic and colorful accounts of the region, often describing the distinctive residents as isolated, quaint, independent, self-sufficient, violent, poor, simple and strong (Raitz and Ulack 1984).

The focus of popular culture established a view of the region that does not necessarily hold up to historical fact. Ronald Lewis (in Evans and others 2004) documents, then dismisses, the three common myths created by popular culture:

- 1) Appalachia is a poor region because economic growth by passed it.
- 2) Appalachia is home to homogeneous folk culture from British stock.
- 3) Appalachians are so attached to the mountains that they prefer being poor at home rather than relocate.

Lewis (2004) points out that the Appalachians were well connected by railroad in the early twentieth century, so other reasons for poverty must be identified.

Ironically, at precisely the same time that Appalachia was being fictionalized as a "place where time stood still," the region was in fact, undergoing a dramatic industrial transition. Coal was its centerpiece, and even a cursory history of the industry dispels these misconceptions, now so entrenched in American popular culture.

Drake (2001) identifies at least five different periods of economic history in Appalachia after World War II: 1) a postwar boom from about 1945 to 1950; 2) the frustrating 1950s; 3) the rise and fall of the War on Poverty from 1960 to 1968; 4) the hopeful decade from 1968; and 5) a troublesome period since 1978.

As part of the War on Poverty, federal legislation established the Appalachian Regional Commission (ARC 2007). Rather than accept the "culture of poverty" as a homogeneous cause of poverty in the region, ARC recognized the diversity within the region and set up sub-regions (originally four, then three) as different Appalachias. Specific growth centers were identified to encourage development. Area development districts (ADD) were established to encourage local initiatives tailored to specific areas (Drake 2001).

Raitz and Ulack (1984) included Wayne County in the southern most part of the Northern region and adjacent to the Central subregion (figure 2.1-1). Raitz and Ulack (1984) report that whereas the Northern subregion of the ARC classification is described as "an old industrial-based economy undergoing modernization" the Central Appalachia is characterized as the poorest of the subregions, with coal as its primary resource. The traditional economic base of the Southern Appalachian subregion counties is agrarian but is now in transition to an urban and industrial economy.

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4.2 Appalachian Values

As the most populous and most adapted to the region, the Scots-Irish settlers strongly influenced the evolution of Appalachian identity. Attributes of the Scots-Irish that are frequently recognized are: independence, resourcefulness, faith, family, and tradition. Ted Olson (Evans and others 2004) notes that "these qualities are exactly the same ones that by the twentieth century would form the core of the positive and negative stereotypes held against the Appalachian people by "outsiders" and the mainstream American media." These Scots-Irish traits were romanticized and popularized. John Trew (Evans and others 2004) summarizes "the enduring legacy of the Scots—who emigrated from Ulster—is often characterized as 'bourbon, the Bible and bluegrass.'"

Drake (2001) also notes that "the attempt to identify any 'Appalachian Mind' is disarmingly difficult." The attitudes, beliefs and values long accepted as descriptive of the Appalachian culture are described by a region-wide survey by Thomas Ford in 1958. A more impressionistic account by W.E. Weatherford and Earl C. Brewer confirmed these results in 1962. *Appalachia: A Regional Geography* by Karl Raitz and Richard Ulack (1984) traces the changing face of Appalachia.

Recent discussions on the culture of Appalachia refute these long-held ideas, pointing out that the social programs developed to address the long history of poverty have failed to make progress (Lewis and Billings 1997). David Whisnant, a cultural critic, claims that the Appalachian values most people have come to accept as authentic have actually been established by judgmental outsiders who selectively presented Appalachian music, crafts, and culture (Drake 2001).

The Mountaintop/Valley Fill EIS (USEPA 2003) reports that the nature of the Appalachian culture has shaped the manner in which company town residents react to the loss of jobs and community.

Independence and Isolation

Bill Richardson (Evans and others 2004) reminds readers of the influence of the topography on Appalachian values:

...the mountains are very steep and sometimes the valleys are only a hundred yards wide. It is a formidable, almost impassable area. If you think about the way people traveled 150 years ago, it was nearly impossible to cross this region and the only way to move within it was to follow the rivers and creeks or walk along the ridge tops.

And:

In southern West Virginia we joke that you can stand in a valley and almost touch the mountains on either side. There is just enough room between them for a creek, a road, a railroad track, and a narrow strip of houses. ..it seems as though people live in every nook and cranny, but in reality more than 85 percent of the land is uninhabited.

An independent nature serves a particularly useful function where a society is isolated. However, once industrialization is introduced, independence can make the transition more difficult, especially from coal mining jobs to a diverse, less-skilled job market (USEPA 2003).

Resourcefulness

Resourcefulness is closely identified with the Appalachian spirit. Resourcefulness is also expressed in the ability to husband a rugged and inhospitable land. Settlers found sustenance in the woods and in the small gardens that were part of every homestead. The steep valleys did not allow for large agriculture to develop (USEPA 2003):

While some scholars debate the beginnings of this unique culture, most agree on the common traits of which it is composed. Appalachians are thought to be pioneering in nature, strong, independent and resilient. Appalachian women in particular are considered hardier and more resourceful out of necessity; one local to Whitesville, WV referred to them as "Iron Weed" women.

The crafts for which Appalachia is so well known were also an expression of resourcefulness. The creativity of the region flourished as everyday objects were made from the most basic of materials that were readily available, but stitched, carved or otherwise crafted with imagination and a unique sense of artful beauty.

Attachment to Family and Land

Dependence on the land and making a living from local resources emphasizes the importance of the family unit and also of the resources themselves. The independence of the culture and the abundance of wildlife and other resources naturally forges a bond to the land. This attribute makes sense so long as sustenance is derived from the land.

When hard times came, out-migration resulted from the mine closures. However, as families leave, it is expected that at some point they will return to Appalachia. The migration is often thought to be temporary. Evidence of this attitude is given in an anecdote related in the Mountaintop Mining EIS (USEPA 2003):

The wife of a miner, trapped by poverty and her husband's black lung illness in Cincinnati said, "Maybe there's some way we can find to make it, to survive. If we find a way, I imagine we'll go back home to Kentucky and just stay there until we die." (Artie Chandler in Kahn 1973).

While the attachment to the land and family is a strong tie, the typical boom-and-bust cycle of mining work reinforces the idea that migrants will return. In the past, when a mine shut down, there was a period after which residents expected it to re-open. Many still believe the mines will re-open despite repeated warnings from the companies (USEPA 2003).

Later, in the 1970s, when some residents were forced to vacate their land for the USACE East Lynn Lake project, attachment to the land made the transition difficult. The stories of the families in and from the area carry forward the idea that a "sense of place" is very strong in this community. In the introduction to *The Appalachians: America's Last Frontier*, Mari-Lynn Evans relates that the motivation for her project to document the culture of the region grew from her experiences as a child when she watched her grandparents lose their land for the USACE East Lynn Lake project (Mari-Lynn Evans in Evans and others 2004):

After the land was bought, most of our neighbors—many of whom were in their sixties—had no means to make a living and had to move to other states. Displaced to another culture that they didn't understand, they were unable to assimilate or adjust. Their entire world had been within their community: their church, their family, and their friends. In those communities, your identity was based on two things—the value of your family name and the value of your land. The government stripped these people of what formed their very identity, and most of them died within five years. Their family members will tell you they died of broken hearts. That story is repeated so often in our region.

A recently published book about East Lynn also demonstrates the attachment to the land found in the study area. Robert Michael Thompson, a 2006 graduate of East Lynn High School, researched local libraries and interviewed older members of the community to produce a memoir of the town in *East Lynn Booming: The Story of a Coal Town and other Tales from the Twelvepole Valley*. Thompson related the local feeling that after the fire in 1955, which destroyed nine buildings and left 24 people homeless, the town began its final decline. Older generations recall a vibrant community that "boasted a train station, movie theaters, doctor's offices, clothing and furniture stores." (*The Wayne County News* 2007).

4.3 Coal Mining History and Values

The dominance of the coal industry and mining practices has profoundly affected the communities and residents of the Appalachian coalfields since coal mining came to the region.

Coal Company Towns

The effects of coal company towns were far reaching in the Appalachian Mountains. A phenomenon found in many parts of the United States in the first half of the 20th century, the mining company provided the essential aspects of community life: work, shopping, education, retail merchandising, and medical care. The paternalistic nature of both the physical and psychological structure of the company town resulted in highly dependent communities. Research shows that while company towns were common in many industries in the mid-20th century, the relative isolation of the mining communities, the dominance of the coal industry and the poverty of the Appalachian region enhanced the influence of the company towns (Jones, Jr. 2003).

Significantly, the companies were responsible for providing much of the infrastructure of the region. Maintenance of the infrastructure suffered as the company towns disappeared. Dilapidated, abandoned housing, lack of potable water and closing of local schools were common. It was challenging for local communities to develop the civic structure to take over the infrastructure systems, even though the transition was aided by the Appalachian Regional Commission. Ronald Lewis (2004) also notes that as coal companies "built the mine, [and]... also became the miners' landlord, offered police and fire protection, erected the churches and stores, and provided the utilities and other services that towns required" democratic ideals were overlooked and underdeveloped.

The social impacts of the development and subsequent closure of the company towns identified by mid-century researchers include a sense of resignation, and feelings of a lack of mastery in individuals' lives. Herman R. Lantz (1964), whose studies focused on a coal mining community in Pennsylvania in the 1950s and 1960s, noted a feeling of "resignation" among the residents that is expressed as a lack of motivation and an aversion to new opportunities. His research showed that resignation was only reinforced by the social framework of the company-resident relationship. These attitudes are originally rooted in the nature and culture of the people who settled the area. Coming from impoverished and marginalized populations in Western Europe, fears of social change were only confirmed through the experiences of the mine workers. The familiar boom-and-bust cycle of mining contributed to feelings of inadequacy and inflexibility. "...The many years of tenuous living associated with mining foster in the miner futility about his having any control over his life or his destiny." (Lantz 1958).

Unions

Unionization came late to the central Appalachians. At the turn of the nineteenth century, conditions in bituminous mines led to the formation of a national union. The United Mine Workers of America, (UMWA), formed in 1890, organized the coal field unions of Pennsylvania and the Midwest within a few decades (Lockard 1998). However, the cultural traditions of the Appalachians—from the impassible terrain to the "independence" of the Scots-Irish—were less fertile than the organization required for unionization (Evans and others 2004). Mine owners branded unionization as "socialist" and "communist," concepts of community organization that residents found incompatible with their values. The mine companies also claimed that union demands would break company banks and make mining unprofitable. Further, miners in these areas, who mostly lived in company towns tucked into isolated hollows between hills, were bound by contracts which guaranteed the loss of their jobs and homes should they participate in union activity (Kahn 1973).

The violence resulting in the "mining wars" of the 1920s and 1930s also discouraged union membership (Evans and others 2004). Eventually, the class consciousness fostered in the company towns led miners to rise up in local conflicts: the Paint-Cabin Creek War of 1912-1913, the Mingo-Logan Mine War of 1919-1921, and the Northern Coal Field War of 1925-31, all in West Virginia, followed by the Harlan County, Kentucky, strike and violence of 1931-1939. These protests drew

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national attention as Appalachian communities suffered greatly from the conflict between the miners and the mine operators (USEPA 2003).

The administration of Franklin D. Roosevelt was a new era for labor unions in the U.S. By September of 1933, more than 90 percent of the bituminous coal mines in the U.S. worked under UMWA agreements (Singer 1996). In 1935, the Wagner Act gave workers the right to organize. Low wages (lower than in northern mines across the Ohio River) and hazardous conditions in West Virginia mines finally overcame the cultural aversion to union organization (Evans and others 2004).

Mechanization of the Coal Mining Industry

Unionization and technology converged to change work conditions in the mines. As coal mining became more mechanized, jobs became more skilled, relatively high paying, but less available. Nearly one out of every two mining employees lost their jobs in southwestern Virginia in the nine years between 1987 and 1996 (USEPA 2003).

The social environment of coal mining communities has changed as a result. As job descriptions have become increasingly specialized, miners are no longer trained to do most jobs in the mine and their ability to share work or assist a co-worker is no longer expected. Along with other social changes, a skilled and specialized workforce more frequently commutes rather than live in the small towns, and the company town system has disappeared. Meanwhile, female employment in Appalachia has been more widely accepted than in the rest of the country, likely as an economic necessity (USEPA 2003).

4.4 Faith

Faith forms the core element of the values held in Appalachia, but isolation and independence have fostered a unique religious environment. Appalachia may be one of the most religiously diverse regions in America, where there are 70 or 80 subsets of Baptist congregations, not just the "Old Time" and "Progressives." The Old Baptists trace their origins directly to the first colonial member of this faith to arrive in Appalachia (Evans and others 2004). The diversity of religious affiliation is found in the numerous denominations located in Wayne County. *The Wayne County News* (2007) provided a directory in the November 3 edition that lists 63 congregations, including 32 Baptists, 8 Methodist, 7 Pentecostal/Adventists, 1 Presbyterian, 1 Catholic, and 14 non-denominational.

Practices frequently followed by the Baptists include: foot washing, lined singing, living water baptisms, impromptu preaching, and Pauline gender mandates. The Holiness Pentecostals embrace more unique practices, such as "speaking in tongues" (also called glossalia), handling serpents, drinking dangerous liquids and healing the sick (Evans and others 2004). Curiosity about these practices have led to much misunderstanding as the media have reported the practices of these "Signs Followers" most famously found in Jolo in McDowell County (Shannon Bell in Evans and others 2004).

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Anslinger and others (2007) reports that the first Baptist Church in Wayne County was established in 1812. The Rev. Peyton Newman formed the Big Sandy Baptist Church in the Butler District. The first church in Twelvepole Creek was established by Primitive Baptist minister Rev. Goodwin Lycan, followed by the Bethesda Baptist Church in 1835. The Baptist tradition flourished in Appalachia and is considered an integral part of modern Appalachian life (Drake 2001).

Anslinger and others (2007) reports 39 recorded cemeteries. At least eight are cited as post-1951, and 20 are listed as presently in use. Note that this study area includes Wayne County and western Lincoln County.

4.5 Politics

Voting patterns in Wayne County show a community that is engaged in the political process with a very high registration rate of the voting age population. However, while Wayne County, as of 2004, had more of the voting age population registered (93.5 percent) than the state (83.12 percent), turn out is typically similar to the state, 61 percent to 65.8 percent (2004). In 2004, Wayne County supplied only 2.6 percent (30,761) of the state's 1,168,694 registered voters (WV Office of the Secretary of State 2007).

West Virginia and Wayne County are traditionally Democratic-voting bodies, with both U.S. Senators and the State Governor coming from the Democratic Party. Senator Byrd has represented West Virginia in the U.S. Senate since 1959. Wayne County Democrats outnumber all other registered voters with 68.63 percent, and surpass even the statewide average registration of 57 percent. These numbers have declined since 1998 when the County had 71.3 percent and the statewide count was 62.7 percent of all registered voters.

4.6 Recreation and ties to the Natural Environment

As Raitz and Ulack (1984) noted, recreation is a resource-based activity. Tourists come to take in the uncommon qualities of a place. The attraction may be the rugged and scenic uplands, distinctive climate or vegetation, or archaeologic and historic significance that tourists seek. However, the natural resources are valuable only if they can be made accessible and are developed in an attractive manner that can also handle tourist needs (Raitz and Ulack 1984).

Scenic, wooded uplands are abundant in Appalachia. Another advantage of the area is the fact that the region lies within a single day's driving time of almost 70 percent of the U.S. population (Raitz and Ulack 1984). In the 1960s, the ARC was established by the federal government as part of the "War on Poverty." The ARC worked to establish transportation systems that would bring tourists to the area to enjoy the natural beauty and recreation that could be enjoyed in the wild. Soon, in the 1970s, the USACE built dams for flood control that also provided lakes for recreation (Evans and others 2004).

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Public concern for the long-term environmental effects of large-scale logging taking place across the region provided early motivation for establishing parks in Appalachia. Since the 1880s valuable timber species were exploited. Wooded uplands were burned extensively and the thin soils were exposed to severe erosion. Erosion caused the valleys to flood frequently and silt clogged the streams (Raitz and Ulack 1984).

The process of establishing public lands was met with ambivalent feelings among the long-time residents. While parks and national forests in the western states were created by converting land already in the public domain, the Appalachian lands consisted of large parcels frequently held by out-of-state speculators, uncooperative lumbermen, or occupied by squatters who held no clear title (Raitz and Ulack 1984). Of the local landowners, many refused to leave; others sold but harbored hard feelings. Mari-Lynn Evans relates her family's experience (Evans and others 2004):

Our lives seemed very simple until the late 1960s, when the Army Corps of Engineers began to survey the land in central West Virginia for the purpose of buying it to develop lakes to attract tourism...Men who believed in fairness and reason...couldn't comprehend that the government would actually take our land away. But in the 1970s, the government brought in people from out of the area to open an office in the county to negotiate buying the land. Many of the landowners went to court to prevent the government from acquiring their land...They thought that by hiring a Washington, D.C. law firm that they could speak the government's "language," they could win their fight. Then, the government successfully invoked "eminent domain," and we lost our land.

Many of the jobs created by the tourism industry are low-paying construction or service jobs. The average tourist season may be as short as three months, so that the economic improvements promised by tourism are now debated (Raitz and Ulack 1984). Also, the popularity of some recreational activities, particularly off-road recreational vehicles, are now recognized to be very damaging to the environment.

4.7 Community Services

4.7.1 Schools

The Wayne County School District serves the planning area. Thirteen elementary schools, six middle schools, and two high schools constitute the planning area school system. The 21 schools within this district had a total enrollment of 7,581 students during the 2005-2006 school year (National Center for Education Statistics 2007). Table 4.7-1 lists the schools in the district and shows the high numbers of students qualifying for free and reduced lunch.

Table 4.7-1
Enrollment and Lunch Program Statistics
Wayne County Schools
2005-2006

School Name	Students	Free- Lunch	Reduced- Lunch	Percentage of Free/Reduced Lunch Students
Buffalo Elementary School	527	188	39	43
Ceredo Elementary School	211	86	16	48
Crum Elementary School	208	135	19	74
Dunlow Elementary School	101	62	11	72
East Lynn Elementary School	184	144	25	91
Fort Gay Elementary School	431	250	49	69
Genoa Elementary School	134	92	21	84
Kellogg Elementary School	514	181	44	43
Kenova Elementary School	299	150	36	62
Lavalette Elementary School	281	130	23	54
Prichard Elementary School	128	60	23	64
Wayne Elementary School	510	270	69	66
Buffalo Middle School	372	130	16	39
Ceredo-Kenova Middle School	277	93	29	44
Crum Middle School	150	93	20	75
Fort Gay Middle School	262	157	28	71
Vinson Middle School	267	96	29	47
Wayne Middle School	507	257	79	66
Spring Valley High School	1085	356	74	40
Tolsia High School	499	265	53	64
Wayne High School	634	259	83	54

Source: National Center for Education Statistics 2007

The *Wayne County News* (November 17, 2007) reported that all of the Wayne County schools have achieved full accreditation by the state Department of Education's Office of Performance Audits. Five schools—Kelloff, Kenova and Lavalette Elementary Schools, and Buffalo and Vinson Middle Schools—earned the Distinguished accreditation status.

Especially in the unincorporated areas, schools are the center of civic life. In a news article covering the death of a well-liked teacher, the Principal is quoted (Wayne County News November 2007):

This school is at the center of this community. We do everything together and we'll get through this together.

The Wayne County Board of Education could receive as much as \$33,895,877 to \$54,240,000 in federal coal royalty fees over the 10- to 15-year period that the proposed mining would occur. As noted in section 5.1.1, property taxes are a major income source for county governments and school districts in West Virginia. Approximately 68 percent of property tax revenues are allocated to schools and these revenues account for roughly 30 percent of the typical school district budget (USEPA 2003).

4.7.2 Emergency Services

Emergency services such as law enforcement, medical and fire fighting are supplied by the local communities. Local rescue squads and fire departments are the primary responders. The Wayne Fire Department/Rescue Squad (Wayne Rescue) is the primary handler of all ambulance requirements. Tri-County is the other primary ambulance service in the area. Wayne Rescue has recently added a dive team to their squad that assists in drowning rescue and other water emergencies. A list of all fire departments, rescue squads/ambulances in the immediate area is provided below (USACE 2006):

- East Lynn Fire Department
- Wayne Fire Department/Rescue Squad
- Lavalette Fire Department/Rescue Squad
- Dunlow Volunteer Fire Company
- Tri-County Rescue
- Wayne County Dispatcher

All emergency services may be accessed by dialing 911. On the USACE East Lynn Lake Project, two public phones are available at the East Fork Campground and Lakeside area (Smith 2007a).

The USACE Ranger is a first response emergency medical technician (EMT) and can supply first response medical attention. Additionally, USACE provides public safety education through bulletin boards, personal contacts, media, the Interpretive Services Program, or other means. A boating safety program is also in place (USACE 2006). The East Lynn Lake *Operational Management Plan* (USACE 2006) also has emergency procedures for public emergencies. Because emergency service use has historically remained steady, aside from the increased ORV use during the last five years, emergency service activities are expected to remain steady in the future (Smith 2007a).

Law Enforcement

The City of Huntington and Cabell and Wayne Counties are well supplied with local services including emergency service personnel. The West Virginia State Police employs 661 officers throughout the state (West Virginia State Police 2007). The City of Huntington maintains its own police department with 90 full-time personnel and its own fire department with 116 full-time personnel. Law enforcement in non-urbanized areas is provided by the Sheriff's Department with emergency fire and medical services supplied by a combination of full-time professional staffs and volunteer organizations.

Wayne County provides several law enforcement services. These services include the West Virginia State Police Wayne County Detachment, employing 8 officers (West Virginia State Police 2007); the Wayne County Sheriff Department (located in the town of Wayne), employing 15 officers (Wayne County Sheriff Department 2007); the town of Wayne Police, employing one full-time officer (Town of Wayne Police 2007); the Ceredo Town Police; the Fort Gay Town Police; and the Kenova Town Police.

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Fire Services

The West Virginia State Fire Marshal Office has a total of 34 sworn fire marshals (Carrico 2007). There are a total of 445 fire departments and volunteer fire departments in West Virginia (West Virginia State Fire Marshal Office 2007). The City of Huntington Fire Department, with 110 fire fighters and fire officers, provides fire and emergency services to the region. The department includes 9 fully staffed firefighting companies with a compliment of support staff responding from six stations located throughout the city (City of Huntington 1999).

Fire emergency services in Wayne County are provided by the West Virginia State Fire Marshals; Wayne Volunteer Fire Department, consisting of 38 volunteer firefighters; Ceredo Volunteer Fire Department; Dunlow Volunteer Fire Department; East Lynn Volunteer Fire Department; Fort Gay Fire Department; Kenova Volunteer Fire Department; Layalette Volunteer Fire Department; and, Prichard Volunteer Fire Department.

Medical Facilities

Several medical facilities throughout the region serve the communities of Wayne County. These include the Wayne County Health Department; Cabell Huntington Hospital; St. Mary's Hospital, located in (Huntington, WV); Huntington State Hospital; HCA Riverpark Hospital; Three Rivers Hospital (Ashland, Kentucky); and Williamson Memorial Hospital. There are approximately 51 doctors and medical facilities, and 16 medical specialists and specialty facilities, within the vicinity of the proposed mining project area.

St. Mary's Hospital, located in the Cabell portion of the city of Huntington, is the largest hospital in the vicinity of Wayne County. The hospital has 393 beds and over 2,000 employees (St. Mary's Medical Center 2006).

RUPRI (2006) reports that Wayne County is "medically underserved." This designation is based on an index of four variables—the ratio of primary care physicians per 1,000 population, the infant mortality rate, the percentage of the population with incomes below the poverty level, and the percent of the population age 65 and over—as devised by the U.S. Health Resources and Services Administration (HRSA). Much of the state of West Virginia is considered medically underserved by this definition.

Wayne County is also designated a "health professional shortage area" based on the definition of the HRSA, which is an area that "may have shortages of primary medical care, dental or mental health providers and may be urban or rural areas, population groups, or medical or other public facilities." Again, most of the state of West Virginia is included in this designation (RUPRI 2006).

4.7.3 Utilities

American Electric Power provides electricity to residential and industrial customers throughout Wayne County. In the vicinity of the proposed lease tracts, one single-circuit 138-kV transmission line within a 100 ft right-of-way (ROW) is located about 2 miles northeast of the proposed lease tracts (Persing 2007). A distribution line parallels Route 37 and serves the substation at Rockspring's Ben Haley Branch underground mining operations (Barton 2007a). Several distribution lines situated within approximately 40-ft wide ROWs cross the USACE East Lynn Lake Project to provide power to the administrative offices, dam, and recreation facilities. Some of these lines cross Rockspring proposed lease tracts A, C, D and E (Huff 2007).

Consumers Gas Utility and Mountaineer Gas Company (doing business as Allegheny Power) provide natural gas service to Wayne County. In the vicinity of the town of Wayne, Allegheny Power provides service to residences and the fire department (Jones 2007).

Frontier Communications of West Virginia provides land line telephone service throughout Wayne County. In the vicinity of the proposed lease tracts, a main trunk line follows Route 37. A line also follows Bartram Branch. One remote switch is maintained at Dry Branch, near where the new Route 37 alignment diverges from the old Route 37 (Davis 2007).

In the vicinity of the proposed lease tracts, Triple A Tower TN leases a cellular telephone tower to Wayne County Emergency Management Services and to Cingular, now known as AT&T Mobility (Willis 2007).

Several sources provide water to the county. The town of Wayne's Municipal Water Department provides water service to approximately 2,000 customers. In the vicinity of the proposed lease tracts, a water line runs parallel to the southern or western side of Route 37 (Willis 2007). Wayne County plans to extend this water line eastward to the Wayne County—Lincoln County line as part of its 2010 Plan (Wayne County 2004).

Similarly, sewer services are provided by a number of sources throughout the county. The town of Wayne Sewer System services approximately 2,000 customers and includes a main plant and five smaller pre-assembled or "package" plants (Wayne County 2004).

As noted in Wayne County's *Land Use Master Plan* (Wayne County 2004), economic development in Wayne County is dependent on adequate infrastructure, including roadways, bridges, and drinking water delivery systems. Major expansion of infrastructure has occurred in recent years. Utilities in the area are also expanding service. The West Virginia Development Office has included future infrastructure projects and improvements for Wayne County in its Consolidated Project Priority List (WVDO 2005) as detailed in section 5.7 (Economic Projections).

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4.7.4 Transportation

The Tri-State/Milton J. Ferguson Field Airport, located in Huntington, West Virginia, serves Wayne County. Other modes of transportation and services in the Wayne County area include the Wayne X-Press (Wayne County Community Services Organization, WXP); The Transit Authority (TTA) bus system based in Huntington; Amtrak, whose West Virginia station is located in Alderson; and Greyhound, whose station in Wayne County is located in Huntington (American Public Transportation Association 2003).

Major highways in Wayne County are shown on figure 4.7-1 and include: Interstate 64, U.S. Highway 52, West Virginia Route 37, West Virginia Route 152, and West Virginia Route 75. West Virginia railways include Norfolk and Western Railway, Chesapeake and Ohio Railroad, Big Sandy, East Lynn & Guyan Railroad, and Norfolk Southern.

The Federal Highway Administration conducted the West Virginia Highway economic development study to examine expanding or constructing several segments of highway in West Virginia. One proposed project will replace existing West Virginia Route 52 between Huntington and Bluefield, and would cross Wayne County. The northern half of the project is referred to as the Tug-Ohio-Levisa-Sandy-Improvement Association (TOLSIA) and the southern half of the project, from Williamson south, is designated as the King Coal Highway. Segments of the King Coal Highway are under construction. The new TOLSIA/King Coal Highway will be part of the proposed I-73/I-74 corridor that would extend from southeastern Michigan to Myrtle Beach, South Carolina (FHWA 2007).

Articles in the *Wayne County News* over the past year have described accidents involving coal trucks, indicating that traffic and impacts to road surfaces associated with coal mining may be a concern to local citizens.

If the Proposed Action is selected and the RFDS is implemented, Wayne County Roads Department could receive as much as \$13,560,000 to \$33,895,877 over the 10- to 15-year period during which proposed mining would occur.

4.7.5 Libraries

Three libraries exist in Wayne County: Wayne Public Library, located in Wayne; Wayne County Library, located in Kenova; and Fort Gay Public Library, located in Fort Gay (Wayne County Public Library 2006). In addition to the three branches, the library's Web site provides access to online resources including: the library catalog; a newsletter; online subscription services that can be accessed offsite, including EBSCO Host (which provides access to more than 1,800 periodicals, newspapers, health & business resources), Learning Express (which provides on-line practice tests plus skill building in math, grammar and resumes), Medline Plus (for medical and health information), and an encyclopedia (Grolier).

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4.7.6 West Virginia University Agricultural Extension Service

The West Virginia University Agricultural Extension Service maintains an office in Wayne County, in the town of Wayne. An Extension Agent works with farmers in the county related to community development and agricultural issues, and a 4H Agent works with clubs in the county. Approximately 150 youth participate in one of the three 4H clubs that are active in the vicinity of Wayne—two clubs located outside of the town of Wayne, and one club located in Dunlow. Historically, a club was also active in the community of East Lynn (Perry 2007). In addition to working on projects and preparing to show goods in the county fair, 4H clubs also participate in community development programs. Each summer approximately 150 youth attend a two-week 4H camp at Cabwaylingo State Forest.

The Agricultural Extension Service also facilitates the Community Educational Outreach Service, formerly known as the Homemakers Club, with four or five active clubs throughout the county (Perry 2007).

4.8 Stakeholder Groups

Groups that would be affected by an activity are referred to as stakeholder groups. Stakeholder groups include:

- local communities, community organizations, community leaders
- recreationalists
- environmentalists
- non-profit organizations
- business owners
- people with commercial interests, and
- people with political and social interests.

Stakeholder groups often consider several socioeconomic concepts to be important, such as:

- economic growth
- visions for the future of the community
- concerns regarding social and economic affairs related to the community, and
- opinions or issues regarding the effects of the proposed mining on socioeconomic resources.

For the East Lynn Lake Coal Lease LUA/EIS, socioeconomic and social considerations throughout the planning area are consistent among the diverse group of stakeholders:

- local residents
- commercial interests
- recreationists, and
- nature enthusiasts.

Family, work, and community are all integral values of planning area residents, and environmental protection and diversity, outdoor activity and recreation are especially highly valued. In general, most lifestyles of the planning area residents are associated with place and community, as well as with natural resource development, such as mining, logging, and mill work.

4.8.1 Local Residents

The people who live in or near an area where development is proposed can be the stakeholder group with the most to gain or lose if the proposed project is implemented. In the mountainous terrain where the proposed lease tracts are located, the residential population is low and dispersed.

Robert Michael Thompson described the community closest to the proposed lease tracts in his recent book *East Lynn Booming*:

East Lynn transformed from a small farming village on the banks of Twelve Pole Creek into a thriving coal town. The coming of the railroad brought growth and prosperity to the town whose heyday lasted from about 1910 to 1925. The town suffered through two devastating fires; however, the final blow came from losing its vitality to the coal industry. East Lynn is now once again a small residential community.

Almost 20 percent of both Applicants' employees live in or near the four communities closest to the proposed lease tracts—East Lynn, Genoa, Dunlow, and Wayne (table 3.7-2). Another 13 to 19 percent live in other communities within Wayne County (table 3.7-2). An additional 37 to 51 percent live in the adjoining counties (table 3.7-2).

Other employment opportunities in Wayne County include jobs primarily in the service industry, but also in trade, manufacturing, transportation and construction (table 5.3-1), as described below in section 5.3 (Employment by Sector). However, the unemployment rate in Wayne County is 6.6 percent (table 5.2-1), and the economic growth rate for the county is negative, as described below in section 5.2 (Employment and Unemployment).

4.8.2 Businesses

Regional and local businesses that would supply goods and services to a proposed project, as well as those that would receive end products from the proposed project, are also stakeholders. Numerous regional and local businesses provide the following types of services to the two Applicants' existing facilities near the proposed lease tracts:

- Conveyor and belt splicing services
- Conveyor structure suppliers
- Hydraulic rebuild shops and machine shops
- Stone and gravel suppliers
- Uniform cleaning and purchasing
- Safety equipment suppliers (i.e., boots, safety glasses, reflective materials, gloves, hearing protection)
- Cleaning product suppliers
- Petroleum product suppliers (i.e., lubricants, hydraulic fluids, and fuel)
- Chemical suppliers (preparation plant materials, as well as dust suppressants)
- Local mechanics (both on site and off site)
- Roof support suppliers (i.e., roof bolt, wood product, steel arch)
- Coal sampling, coal analysis, water sampling, and water analysis
- Engineering services (designing and permitting)
- General mine part and equipment suppliers (i.e., miner bits, rail, ties, drill steel, high voltage cables, equipment cables, underground communications, etc.)

4.8.3 Non-Governmental Organizations

Non-governmental organizations (NGOs) are citizen groups organized around a cause, such as economic issues or the environment. Proposed projects of this magnitude frequently draw the interest of NGOs, especially industry advocacy groups and environmental groups.

Appalachian coalfield residents have a unique social and cultural connection to the natural environment. For coal field residents, the quality of the natural environment is important both as a source of income and an integral element of Appalachian culture (USEPA 2003). Controversy surrounding mining impacts to the environment and local economies are now expressed in the organization of non-profits and community grass-roots groups organized to protest or mitigate these impacts.

The following advocacy organizations have formed around nearby projects and may monitor major projects in this area (Evans and others 2004):

- Coal River Mountain Watch http://www.crmw.net/ Coal River Mountain Watch (CRMW) is a grassroots organization begun in 1998 as a small group of volunteers working to organize the residents of southern West Virginia.
- Appalachian Center for the Economy and the Environment http://www.appalachian-center.org/ The Appalachian Center is a regional law and policy organization that seeks fundamental changes in compliance, implementation and enforcement of major environmental laws in Central Appalachia.
- Ohio Valley Environmental Coalition http://www.ohvec.org/ The Ohio Valley Environmental Coalition is a structured advocacy group with interests in much of West Virginia and portions of southern Ohio and eastern Kentucky. OVEC depends on the committed participation of many ordinary citizens, united for the common purpose of conserving the environment in which we all live.
- West Virginia Highlands Conservancy http://wvhighlands.org/ First coming together in 1965, the West Virginia Highlands Conservancy is one of the state's oldest environmental activist organizations, originally a coalition of recreational users of the West Virginia Highlands.
- **Kentuckians for the Commonwealth** http://www.kftc.org/ Kentuckians For The Commonwealth is a community of people taking action for justice.

Local groups identified from a Web site monitoring West Virginia Coal fields (Loeb2003) include: West Virginia Environmental Coalition; West Virginia Citizens Action Group; West Virginia Citizens Coal Council; and West Virginia Organizing Project.

As demonstrated by the development of these groups, support for coal mining—especially strip mining—in "post-industrial" Appalachia may diminish as fewer jobs are related to mining and there is a perception of "enduring problems unique to mining." (Lewis 2004).

4.8.4 Stakeholder Involvement

The NEPA process was developed in part to involve stakeholders, and includes a scoping period, during which time stakeholders are invited to submit comments expressing their concern or support regarding the Proposed Action and related proposed activities. After the both the draft and final environmental impact statements are issued to the public, stakeholders are invited to provide input on the documents by submitting comments.

Notice of Intent

On July 14, 2005, the BLM published a Notice of Intent (NOI) to prepare an LUA/EIS to analyze Coal Lease Applications WVES-50556 and WVES-50560. The NOI was posted in volume 70, number 134, pages 40723-40725 of the *Federal Register*. The federal notice began the scoping process and notified the public of the BLM's intent to begin the LUA/EIS process, provided project

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information, announced the intention to hold public meetings, and solicited public comments. Instructions in the NOI gave the following address for written comments to be sent to the BLM: Attn: John Romito, 901 Pine Street, Suite 200, Rolla, MO 65401, or online at: EastLynnLakeComments@blm.gov. The BLM has since relocated to 401 Fairgrounds Road, Rolla, MO 65401.

The NOI stated that the written comments would be accepted until August 15, 2005, and that a public scoping meeting would be held in Wayne, West Virginia to provide another opportunity for the public to identify issues or concerns about the proposal.

Press Releases

On October 20, 2006, press releases and paid public notices regarding the East Lynn Lake Coal Lease LUA/EIS scoping process were e-mailed and/or faxed to the following West Virginia newspapers:

- The Wayne County News
- The Register
- Bluefield Daily Telegraph
- Charleston Gazette
- Clarksburg Exponent & Telegram
- Times West Virginian
- The Huntington Herald-Dispatch
- Mineral Daily News
- The Martinsburg Journal
- The Dominion Post
- News & Sentinel
- The Intelligencer
- Williamson Daily News

A public notice was posted daily in the *Huntington Herald Dispatch* from October 23, 2006 through November 6, 2006. Additionally, a public notice was posted in the *Charleston Gazette* every Wednesday and Sunday from October 22, 2006 through November 1, 2006. A public notice was also published in *The Wayne County News* on Friday and Saturday, November 3 and 4, 2006, preceding the meeting. Newspaper articles concerning the proposed East Lynn Lake Coal Lease LUA/EIS and scoping process were published in the following media on November 3rd, 2006:

- Charleston Gazette
- Charleston Daily Mail
- WVVA Channel Six News Website

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Scoping Period

For the East Lynn Lake Coal Lease LUA/EIS, the scoping period spanned from October 20, 2006 until December 1, 2006. During this scoping period, the BLM-MFO held public scoping meetings in Wayne, WV and Huntington, WV on November 6 and 7, 2006 respectively, as described below under *Meetings*.

Meetings

A county commissioners' meeting was held on November 6, 2006 at the Wayne County Courthouse in Wayne, West Virginia. The BLM, Golder, and the Applicants were present at the meeting. During the meeting, the BLM provided an overview of the LUA/EIS process and explained the status of the East Lynn Lake Coal Lease LUA/EIS.

To solicit issues and concerns about the project from the public, the BLM held one official public scoping meeting on Monday, November 6, 2005 from 7:00 PM to 9:00 PM at the Wayne County Community Services Inc., 618 Hendricks Street, Wayne, WV.

As a result of local media misprinting the date, time, and location of the official public scoping meeting, a second meeting was held on Tuesday, November 7 2006 from 7:00 PM to 9:00 PM at the Ramada Inn Limited, located at 3094 16th Street Road, Huntington, WV. This second scoping meeting was held at the date, time, and location that was misprinted in local media to ensure that everyone who wanted to participate had an opportunity.

The public scoping meeting was held in an open house format. This open house format provided a comfortable environment for the public to participate, and provided the flexibility for them to schedule a time to attend. During the meeting, representatives of the BLM, Golder, and the Applicants were available to answer any questions or concerns they might have in regard to the Proposed Action, the RFDS, or the NEPA process.

Meeting attendees were encouraged to give written comments. Comment forms and tables were available for attendees to provide written comments, and Golder staff members were available to write down verbal comments if desired. Attendees were instructed of the comment period closing date and that comments needed to be received by that date. The meeting held in Wayne had the largest attendance, with approximately 15 people attending. All attendees were requested to sign in; however, it is possible that some did not. The additional meeting held in Huntington as a result of the newspaper misprint had only one attendee.

An agency scoping meeting was held on November 7, 2006 at the Ramada Inn Limited in Huntington, West Virginia at 10:00 AM. During the agency scoping meeting, Golder facilitated a roundtable discussion among the BLM, Cooperating Agencies, and other potential partners, with a goal of identifying significant issues and concerns related to the Proposed Action and alternatives.

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Approximately 15 people attended the agency scoping meeting. All attendees were requested to sign in; however, it is possible that some did not.

Scoping Comments

Forty-five comment letters containing a total of 94 comments were received during the scoping period. Fifty of the 94 scoping comments addressed socioeconomic issues associated with the proposed coal lease. Forty-four of these 50 comments were positive comments, and the remaining six comments were questions or suggestions to investigate socioeconomic impacts. Twenty-six comments specifically cited the jobs that would be maintained. Seven comments noted the positive indirect impact of suppliers and vendors. This positive socioeconomic impact is also referred to as the multiplier effect, which is described in section 2.4 (Overview of Coal Economics). Two comments specifically cited the tax revenues that would be gained. Letters of support also cited the two Applicants' on-going support of local schools and businesses, and the role of mining as the primary economic activity in the area.

Six of the scoping comment letters were received from the local communities:

- Genoa (1 letter, with a total of 1 comment)
- Dunlow (4 letters, with a total of 8 comments)
- Wayne (1 letter, with a total of 2 comments)

Many supportive comments cited the continuation of jobs and contribution to the local economy. At least five local and regional vendors submitted comments during the scoping period. These vendors noted that if the proposed mining were to be implemented, their businesses would benefit from the multiplier effect: the extension of existing mining would provide continued opportunities to sell their products to the successful bidder(s).

Representatives of the West Virginia Coal Association (WVCA), the Brooks Bird Club, and the West Virginia Highlands Conservancy attended the November 6 public scoping meeting. In addition, the WVCA submitted comments supporting the economic benefit that would be gained if the Proposed Action is selected and the proposed mining is implemented.

Socioeconomic Workshop for the East Lynn Lake Coal Lease LUA/EIS

To gain input from the various stakeholder groups involved with the East Lynn Lake Coal Lease LUA/EIS, the BLM-MFO hosted a socioeconomic workshop in Wayne, West Virginia on March 27, 2007. The BLM invited public and local government representatives and the public to attend. The workshop was facilitated by an economist. Attendees had the opportunity to discuss economic growth and visions for the future of their communities, as well as to express concerns regarding social and economic affairs related to their community. Local residents expressed concern about potential impacts to the environment and to public and private recreational opportunities at East Lynn Lake.

As a result of the workshop, a more detailed description and analysis of socioeconomic conditions and social characteristics was developed and included in the East Lynn Lake Coal Lease LUA/EIS.

Community members expressed concerns during the workshop. Socioeconomic concerns focused on the impact of trucking, impact to water resources (many people get potable water from wells), and any potential impacts to the natural environment. In addition, other socioeconomic concerns concentrated on the monetary benefits to Wayne County and the local area through royalties and revenues: how revenues will be allocated, the BLM's priority related to financial impacts, costs of coal mining to the community, and the possibility of using revenues to fund park improvements such as lake lodges, further having a greater local economic benefit.

5.0 ECONOMIC CONDITIONS

Appendix A provides the 2000 Census Table DP-3 (Profile of Selected Economic Characteristics) for the state of West Virginia, Wayne County and the town of Wayne.

5.1 Economic Sectors

Historically, the local economy has relied heavily on its natural resources: bituminous coal and oil and natural gas. In addition, agricultural income is generated from livestock, fruit, and tobacco farms (West Virginia Association of Counties 2006). However, at the regional, county, and local level, the service, finance/insurance/real estate, and public administration sectors are becoming larger sectors in the economy, as described below in section 5.3 (Employment By Sector).

5.1.1 Coal

West Virginia

West Virginia has an estimated coal reserve of 33.7 billion tons, of which an estimated 18.4 billion tons is recoverable (OSM 2004). Coal mining has been a main sector of the economy since 1863, and at present coal mining and its related support activities are the dominant economic activity in West Virginia. The state is the second largest coal-producing state and a leading exporter. Approximately 92,940,000 short tons of coal were mined in southern West Virginia in 2004 (EIA 2007a). In 2005, 270 coal companies operated 574 mines in West Virginia, including 329 underground mines and 245 surface mines. The same 270 coal companies operated roughly 600 mines in 2006, including 330 underground mines and 271 surface mines—a 4 percent increase in the number of surface mines (WVCA 2007a). Approximately 91 percent of the coal produced in West Virginia is transported mainly by rail, but also by truck or barge to regional and national destinations (EIA 2007a) to generate electricity for domestic use (OSM 2004).

The coal mining industry contributes beneficially to the state, county, and local economies in several ways. The West Virginia Office of Miners' Health, Safety and Training (WVMHST) has maintained coal production and employment records since 1900. Coal mining employment in the state reached a high of 130,457 in 1940, and since that time employment numbers have slowly declined, reaching a low of 14,281 in 2000. Since 2000, the number of people employed in coal mines in the state has been increasing. Approximately 20,533 people were employed in the coal mines of West Virginia in 2006 (WVMHST in WVCA 2007a). The West Virginia coal industry pays nearly one billion dollars (\$1,000,000,000) in annual direct wages. Coal mining accounts for \$3.5 million (13 percent) of West Virginia's total gross state product. In addition, the coal industry and coal-fired electricity industry account for 60 percent of all business taxes collected in West Virginia (WVCA 2007a).

West Virginia coal miners are among the highest paid workers in the state, earning an average annual salary of over \$50,000, nearly twice the average statewide salary for all workers (WVCA 2007a).

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Studies conducted by Marshall University have concluded that every coal mining job results in the creation of between six to eight positions in other sectors of the economy, and that every dollar's worth of coal production supports an additional 52 cents in sales in other sectors of the state economy (Burton, Hicks and Kent 2001; USEPA 2003).

Wayne County

Small-scale coal mining is common throughout Wayne County. Since the 1800s, residents have dug "house" mines by hand to obtain coal to heat their homes. Coal companies have operated mines in the area for over a century. In 2006 a total of six underground and surface mines produced a total of 4,835,588 million short tons of coal (WVCA 2007a). All of these mines used continuous mining equipment. Production in the county's underground mines produced enough coal to earn a ranking of 9th out of the 28 coal-producing counties in the state (WVCA 2007a). Approximately 3,672,220 tons of coal were produced, primarily by Rockspring and Argus (WVMHST in WVCA 2007a). Rockspring's Camp Creek No. 1 mine, located north of the proposed lease tracts, ranked sixth in the top 18 "million ton" underground mines in 2006, producing 2,735,790 tons.

Coal mining accounted for 16.2 percent of the total employment and 8.6 percent of total earnings in Wayne County. According to West Virginia's Office of Miner's Health Safety and Training (WVMHST), 456 coal miners were employed in Wayne County in 2006 and the coal miners as a group earned a total direct wage salary of \$28,591,200 per year (WVCA 2007a).

In the vicinity of the proposed lease tracts, Rockspring, a subsidiary of Riverton Coal, has operated underground mines since 1978. Argus, and its predecessor PenCoal, has operated surface and underground mines in the area since 1987. Other companies have also operated mines in the area. Currently, the Applicants operate underground room-and-pillar mines under lands that adjoin the proposed lease tracts. When added together, the two companies employ a 500- to 600-person work force of direct employees and contractors. Almost 20 percent of those employees live in the four nearby communities of East Lynn, Genoa, Dunlow, and Wayne (table 3.7-2). Another 13 to 19 percent live in other communities within Wayne County (table 3.7-2). An additional 37 to 51 percent live in the adjoining counties in West Virginia (table 3.7-2).

The Applicants sell the majority of their coal to power plants in the region (BLM 2007a). Table 5.1-1 provides a summary of 2006 employment and economic details for Rockspring and Argus. Based on information gathered by the WVCA, Rockspring and Argus are the leading coal producing companies in Wayne County (WVCA 2007a). In 2006, Rockspring generated approximately \$15 million in taxes for the county and state (Barton 2007b), and Argus generated approximately \$8.9 million (May and Hall 2007) (table 5.1-1).

Table 5.1-1
Applicants' 2006 Economic Information

	Rockspring	Argus
Average Salary		
with overtime	\$71,407	\$51,977
without overtime	\$54,018	\$39,415
Payroll	\$23,400,000	\$12,370,693
	(\$900,000	annually
	every two weeks)	
Gross Revenue		
(annual, approximate)	\$120,000,000	\$93,508,569
Taxes		
Generated county/state		
(annual, approximate)	\$15,000,000	\$8,905,532

Source: Barton 2007a; Maggard 2007a, c

The Applicants invest large amounts of money in the local and regional economy by paying employees' wages, paying taxes, buying supplies and equipment, and purchasing and maintaining equipment. Typical vendors are listed in section 4.8.2 (Businesses). While Rockspring loads its coal into railcars at its Camp Creek preparation plant, Argus contracts local trucking companies to transport its coal from its Devilstrace preparation plant east of Dunlow to its loading facility on the Big Sandy River, 60 miles to the west. In addition to paying approximately \$12.4 million in salaries and wages and roughly \$8.9 million in taxes in 2006, Argus spent over \$23 million on vendors and contactors based in Wayne County and an additional \$27 million in other counties in West Virginia, for a total of over \$50 million spent on vendors and contractors and an overall total of \$71.3 million on salaries and wages, taxes, vendors and contractors in 2006 (Maggard 2007c).

The community also benefits from mining company philanthropy. The two Applicants contribute funds to local communities by:

- supporting local schools
- providing summer jobs to students over 18 years old
- contributing to the construction of baseball fields
- sponsoring fishing outings for grade school children, and
- sponsoring local community events and facilities.

At Rockspring's current production rate of 2.2 million to 3 million tons per year, and at Argus's current production rate of about 2 million tons per year, the Applicants' reserves in the immediate vicinity of the proposed lease tracts would be exhausted in 10 to 15 years. The companies could extend the lives of their operations by decreasing production rates, and they may be able to secure reserves in the region that they mine, then haul to their preparation plants for processing.

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Federal Coal under USACE East Lynn Lake Project Lands

Southwestern West Virginia's Allegheny and Kanawha Formations contain bituminous coal. Both formations are found in the vicinity of the USACE East Lynn Lake Project and include several coal seams. Two seams are considered to be commercially mineable: the No. 5 Block, and the Coalburg/Winifrede seam. In 1973 Columbia Gas Transmission Corporation conducted a study in the vicinity of the USACE East Lynn Lake Project to determine the quantity and value of coal land that would be adversely affected by the siting of the USACE East Lynn Reservoir. The John T. Boyd Company prepared the report, entitled *Coal Land Values, East Lynn Reservoir Area for Columbia Gas Transmission Corporation* (John T. Boyd Co. 1973) and referred to as the "Condemnation Report." The area to be affected is referred to in the Condemnation Report as the "Acquisition Area." Within the 1973 Acquisition Area, the Winifrede, No. 5, and Stockton-Lewiston coal seams were considered economically mineable, while numerous other seams were found to be too thin to be of mineable thickness (John T. Boyd Co. 1973).

The Winifrede (Coalburg) reserves typically are low in sulfur, high in British thermal units (BTU), and used principally for clean electric generation (BLM 2007a). As part of the condemnation activities associated with the USACE East Lynn Lake Project, coal interests were to be subordinated to the reservoir interests in certain areas. As a result, mining of the No. 5 Block and Stockton-Lewiston seams, which outcrop extensively and would normally be developed by strip or punch mining, were to be prohibited from extraction (John T. Boyd Co. 1973).

The Acquisition Area contained approximately 25,000 acres, whereas Columbia Gas Transmission Corporation's coal lands comprised approximately 16,700 of those 25,000 acres. The boundary of the 1973 Acquisition Area varies slightly from the current USACE East Lynn Lake Project boundary, and the areas identified within the Acquisition Area vary somewhat from the current proposed lease tract boundaries. Information in the Condemnation Report indicates that in 1973 approximately 90 million tons of recoverable coal existed under roughly 23,000 acres within the current USACE East Lynn Lake Project boundary (John T. Boyd Co. 1973). To date, no federal coal that lies under the USACE East Lynn Lake Project has been mined.

Currently, Rockspring and Argus are proposing to lease and mine federal coal that lies under approximately 5,450 acres of land along five tracts (Rockspring tracts A-F) that border the north side of East Lynn Lake and on approximately 7,625 acres of land along three tracts (Argus tracts A-C) that border the south side of East Lynn Lake. The total area for which leasing is proposed is 13,089.55 acres. The Applicants are proposing to mine the Winifrede seam on the north side of the lake and the Coalburg seam on the south side of the lake. Neither Applicant proposes to mine No. 5 Block coal under the proposed lease tracts.

Based on the most recent available data summarized in the RFDS (BLM 2007a), approximately 41 million tons of Winifrede seam coal lie below the proposed Rockspring lease tracts, and about 11 million tons of that coal is considered to be mineable or "recoverable." Approximately 35 million

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tons of Coalburg seam coal lie below the proposed Argus lease tracts, and about 15 million tons of that coal is considered to be recoverable coal. The two companies would use underground room-and-pillar mining methods with 50 percent extraction.

Economic Value of the Proposed East Lynn Lake Coal Lease

The economic value of coal can be assessed at a large scale, as described in section 2.4 (Overview of Coal Economics). The economic value of coal can also be assessed at a more detailed level, where revenue, taxes, and other gains and losses experienced by a company are considered.

A coal company receives payment for the coal it produces and sells. That same coal company also pays a royalty fee on federal coal, along with several other federal fees or taxes, both federal and state income taxes, a state mineral severance tax, a state excise tax, and county property taxes.

Gross Revenue on Sale of Coal

If the Proposed Action is selected and the RFDS is implemented, the successful bidder(s) would earn estimated gross revenues of up to \$1,129,862,582 over a period of 10 to 15 years, based on a coal price of \$43/ton. If the Applicants are the successful bidders, Rockspring would earn up to approximately \$484,862,582 in gross revenue, and Argus would earn up to approximately \$645,000,000 in gross revenue.

Federal Royalties, Fees, and Taxes

The BLM manages public lands and the natural resources and the uses that occur on those lands. With regard to natural resources, the BLM manages federal leasable minerals and geothermal resources under authority of the *Mineral Leasing Act of 1920* (20 USC 181, et seq.), as amended by the *Federal Coal Leasing Amendments Act of 1976* (FCLAA); the *Mineral Leasing Act for Acquired Lands of 1947* (30 USC 351-359); Section 402 of *Reorganization Plan No. 3 of 1946* (5 USC Appendix); and various other Acts. The *Mineral Leasing Act of 1920* (MLA) provides for the leasing of federal coal in tracts that allow the mining of all economically extractable coal.

In accordance with the MLA, states whose boundaries encompass federal mineral leases are entitled to receive a portion of the revenues generated from those leases, based on the revenue earned on the sale of the coal (MMS 2004). The Minerals Management Service (MMS) collects royalty fees on federal coal. Regulations in the Code of Federal Regulations (43 CFR 3483) state that the customary royalty rate is 8 percent for federal coal mined using underground methods. A portion of the royalty fee is retained by the federal government and is distributed to the U.S. Treasury general fund, where it is appropriated by Congress, and typically to three special funds—the Reclamation Fund, the Land and Water Conservation Fund, and the National Historic Preservation Fund (Etchart 2007). The remainder is distributed to the state and local government where the coal was mined. That state may retain a pass-through fee, and then pass the remainder on to local governments (Nolder 2007). West Virginia does not retain a pass-through fee (Rollyson 2007a).

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After the BLM awards a lease for federal coal, the successful bidder(s) can apply for a royalty rate reduction by stating reasons and providing supporting information, such as proof of economic hardship. For example, if the customary 8 percent royalty fee is above the going rate in the private sector, that percentage would be considered unfair to the successful bidder(s). The federal government representative may or may not grant the reduction (Grange 2007).

For federal coal owned by the BLM, 50 percent of the federal royalty fee is retained by the federal government, and 50 percent is passed on to the affected state and local government. For federal coal owned by the USACE, such as the federal coal surrounding the USACE's East Lynn Lake Project, 25 percent of the royalty fee is retained by the federal government and 75 percent of the royalty fee is paid to the affected state and local government, in accordance with the *Rivers and Harbors Act of 1910* (Nolder 2007).

For the East Lynn Lake Coal Lease LUA/EIS, if the Proposed Action is selected and the RFDS is implemented, current estimates indicate that a maximum of approximately 26,276,000 tons of federal coal could be recovered. If the 8 percent royalty is applied, at a price of about \$43 per ton (price of coal at time of lease application submittal), the Minerals Management Service would collect up to approximately \$90,400,000 in federal royalty fees over a 10- to 15-year period (table 5.1-2). During that period, the federal government would retain approximately 25 percent of the royalty fees, up to roughly \$22,600,000 (table 5.1-2). The remaining 75 percent, up to approximately \$67,800,000 (table 5.1-2), would be allocated to the state of West Virginia, and the West Virginia state auditor would distribute 100 percent of that money to the Wayne County Commission.

Table 5.1-2

Estimated Federal Royalty Retained

If the East Lynn Lake Coal Lease Proposed Action is Selected

Proposed Lease Tract	Clean Recoverable Tons	Successful Bidder(s) Gross Revenue at \$43/ton	8 Percent Federal Royalty on Federal Coal From Underground Mines	Revenue Retained By Federal Government (25% of federal 8% royalty)	Revenue Returned to Wayne County Government (75% of federal 8% royalty)
Rockspring Tracts	11.055.054	\$40.4.0 <i><</i> 2.7 02	ф20 5 00 00 5	Фо сод 252	#20.001.754.02
A through F	11,275,874	\$484,862,582	\$38,789,007	\$9,697,252	\$29,091,754.92
Argus Tracts A through C	15,000,000	\$645,000,000	\$51,600,000	\$12.900.000	\$38,700,000.00
				. ,,	, , ,
Total	26,275,874	\$1,129,862,582	\$90,389,007	\$22,597,252	<i>\$67,791,754.92</i>

Note: Number of tons is approximate and based on information provided in the Applicants' lease applications, as summarized in the Reasonably Foreseeable Development Scenario (BLM 2007a).

A federal Black Lung tax is collected on coal sales: \$1/ton for surface mines and \$3/ton for underground mines. Coal production also supports abandoned mine land reclamation projects and the United Mine Workers Combined Benefit Fund through the Special Reclamation Fund fee levied under SMCRA Section 402. Surface mined coal is levied a fee at a rate of 35 cents per ton;

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underground mined coal is levied a fee at a rate of 15 cents per ton. Half of these revenues are supposed to be returned to the state in which the coal was produced, to be used in funding reclamation or acid mine drainage abatement projects at abandoned mines. A significant amount of money flows to the study area states from the fund, despite on-going controversy regarding federal congressional management of the fund and the fact that collections substantially exceed distributions from the fund. In fiscal year 1999, more than \$47 million went to AML programs in the study area states. Kentucky received \$22.7 million, West Virginia received \$20.2 million, Virginia received \$4.4 million, and Tennessee received \$100,000 (OSM 1999).

If the proposed mining is implemented, over a 10- to 15-year period the successful bidder(s) would pay up to approximately \$78,827,622 in Black Lung taxes. They would also pay up to approximately \$3,941,381 in Special Reclamation Fund fees, with approximately one-half of that amount (as much as approximately \$1,970,690) returning to the State of West Virginia.

State Fees and Taxes

Coal mining in West Virginia also contributes to public finance through other taxes, including various severance, property, and income taxes. The major categories of revenue for the West Virginia state government include the General Revenue Fund, the State Road Fund, lottery funds, federal funds and special revenue funds. The General Revenue Fund includes funds from income tax, sales tax, business and occupation taxes and the Natural Resource Severance Tax.

<u>Severance Taxes</u>—West Virginia's coal severance tax is levied as a five percent tax on gross receipts on the sale of the privately owned product severed. Eighty-five to ninety percent of severance tax revenues in West Virginia come from coal production, and the remaining portion comes from oil and natural gas production. Severance tax receipts are allocated to the General Revenue Fund (77 percent), the State Infrastructure Fund (13 percent), local governments (8 percent), and the State Division of Forestry (2 percent) (West Virginia State Budget Office 2000).

The WVCA (2007a) describes the state's coal severance tax:

- In 1987, West Virginia enacted a severance tax on coal. The tax amounts to 5 percent of the sale price of mined coal. Of this amount, the State retains 93 percent. The remaining 7 percent is apportioned among the state's 55 counties and its 230 incorporated municipalities.
- Three-fourths of the 7 percent share is divided among the coal producing counties. This money is apportioned according to each county's coal production.
- The remaining one-fourth of the 7 percent is divided among all counties and municipalities, according to population.
- All incorporated communities receive a share, based on population.
- All counties receive an additional share, based on the population of the unincorporated areas of the county.

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West Virginia produced approximately 158,835,584 tons of coal in 2006. The total severance tax collections on private coal in West Virginia for 2006 amounted to about \$386,000,000. Approximately \$25,438,861 was distributed to all counties and municipalities in West Virginia. Of this amount, about \$18,992,932 represented coal production in the 26 coal producing counties (West Virginia State Treasurer's Office in WVCA 2007a) (table 5.1-3).

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Table 5.1-3 State Mineral Severance Tax Distribution, 2003, 2005, and 2006

	Year			
Recipient Government Level	20031	2005 ²	2006^{3}	
West Virginia				
West Virginia's Estimated Coal Production Value	NA	\$6,500,000,000.00	\$6,060,000,000.00	
West Virginia's Estimated Coal Severance Tax	\$214,141,117.71	\$280,000,000.00	\$386,000,000.00	
Collected Severance Tax Apportioned to 55 Counties and 230 Incorporated Municipalities (7 Percent of West Virginia's Estimated Coal Severance Tax)	\$14,989,878.24	\$23,185,525.67	\$25,438,861.36	
Revenue for Counties that Produce Coal	\$11,242,408.70	\$17,389,144.25	\$18,992,932.01	
Wayne County				
Revenue for Unincorporated Municipalities in Wayne County	\$65,687.53	\$101,612.88	\$110,954.56	
Revenue for Wayne County, a County that Produces Coal	<u>\$298,490.16</u>	<u>\$307,425.82</u>	\$252,603.46	
Subtotal: Revenue for Wayne County	\$364,177.69	\$409,038.70	\$363,558.02	
Municipalities in Wayne County				
Revenue for Incorporated Municipalities in Wayne County				
Wayne	\$2,289.67	\$3,541.93	\$3,868.61	
Kenova	\$7,221.26	\$11,170.67	\$12,200.94	
Ceredo	\$3,470.76	\$5,368.95	\$5,864.13	
Fort Gay	\$1,697.04	\$2,625.19	\$2,867.30	
Subtotal: Revenue for Incorporated Municipalities in Wayne County	\$14,678.73	\$22,706.74	\$24,800.98	
Total: Wayne County and its Incorporated Municipalities	\$378,856.42	\$431,745.44	\$388,359.00	

Notes: NA = not available All dollar values are given as reported by the WVCA, unadjusted for inflation

Sources: All data obtained from the West Virginia Coal Association (WVCA)

¹WVCA 2007b

² WVCA 2006

³ WVCA 2007a

Wayne County produced a total of almost 4,835,600 million short tons of coal in 2006 (WVCA 2007a). As shown in table 5.1-3, Wayne County received approximately \$388,359 in coal severance tax revenue in 2006, or about 1.5 percent of the total amount allotted to counties and municipalities. Of that amount, the county received approximately \$110,955 in coal severance tax for its unincorporated lands, and \$252,600 for its coal production (WVCA 2007a). That same year, the municipalities within Wayne County received approximately \$24,801(table 5.1-3), with the town of Wayne receiving approximately \$3,869 of that total.

Rockspring produces between 2.2 million and 3 million tons of coal per year, and Argus produces about 2 million tons per year. As the largest coal producers in the county, and therefore the largest contributors to state severance tax revenues, the Applicants' presence in the vicinity of the proposed lease area and their economic contributions to the area are integral to the local economy.

If the Proposed Action is selected and the RFDS is implemented, the State of West Virginia would receive up to approximately \$52,540,000 (table 5.1-4) in severance tax revenue, and the counties and incorporated municipalities would receive up to approximately \$3,950,000 (table 5.1-4) in severance tax revenue over a period of 10 to 15 years. Wayne County would receive up to \$60,504 over that same period.

Table 5.1-4
Potential Estimated State Severance Tax Revenue to Wayne County and Its Municipalities
Over a Period of 10 to 15 Years
If the East Lynn Lake Coal Lease Proposed Action is Selected¹

Maximum Amount of Clean Recoverable (tons) ²	26,275,874
Successful Bidder(s) Potential Revenue at \$43/ton	\$1,129,862,582
Potential 5 Percent State Severance Tax on East Lynn Lake Federal Coal	\$56,493,129
Potential Revenue Retained By State Government (93% of federal 5% tax)	\$52,538,610
Potential Revenue Returned To 55 counties and 230 incorporated municipalities	
(7% of 5% tax)	\$3,954,519
Potential Revenue Returned To 27 Coal-Producing Counties (75% of 7%)	\$2,965,889
Potential Revenue Returned To All Counties and Municipalities,	
According to Population (25% of 7%)	\$988,630
Potential Revenue Returned to Unincorporated Portions of Wayne County Based	
On Its Population	\$17,286
Potential Revenue Returned to Wayne County Based On Its Coal Production	\$39,352
Potential Revenue Returned To Wayne County Municipalities, According to	
Population	\$3,866
Total, Potential Revenue Returned To Wayne County	\$60,504

Source: Percentages and revenues calculated based on values presented for Wayne County in *Coal Facts* 2007 (WVCA 2007a)

Notes: ¹ Based on Estimated Tons Recoverable, \$43/ton Coal Price, and 2006 State Severance Tax Receipts

² Presented in Reasonably Foreseeable Development Scenario (BLM 2007a)

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<u>Property Taxes</u>–Property taxes related to active coal mines contributed approximately \$43 million statewide in the 2002-2003 fiscal year. An excise tax of \$0.56/ton on the assessed value of coal

statewide in the 2002-2003 fiscal year. An excise tax of \$0.30/ton on the assessed value of coar

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reserves is collected for use in debt reduction. In the 2002-2003 fiscal year, this tax contributed another \$14 million. Combined, these property taxes accounted for approximately 34 percent of all property taxes collected statewide. Property taxes are a major income source for county governments and school districts in West Virginia. Approximately 68 percent of property tax revenues are allocated to schools and these revenues account for roughly 30 percent of the typical school district budget (USEPA 2003).

However, the amount of property taxes that the successful bidder(s) would be required to pay is not clear. A lessee does not pay property taxes if the mineral rights owner is not required to pay these taxes. The case of the proposed East Lynn Lake coal lease is unique in West Virginia because the mineral rights owner is the federal government, which does not pay property taxes. Consequently, research to date indicates that the successful bidder(s) would not be required to pay property taxes (Mairs 2007).

Other State Taxes and Fees-Other state taxes and fees may be collected, including:

- Special Reclamation Fee—The state government also collects a 7-cent-per-ton of clean-coal Special Reclamation Tax. If the proposed mining is implemented, the successful bidder(s) would pay as much as approximately \$1,839,311 in state reclamation taxes.
- <u>Services fees</u>—Collected at 2 cents per ton.
- <u>Highway transportation fees</u>—WVDOT collects 5 cents per ton.
- Workers' Compensation tax-collected at 56 cents per ton.

Table 5.1-5
Potential Revenue to the State of West Virginia
from Other¹ State Fees and Taxes
Over a Period of 10 to 15 Years
If the East Lynn Lake Coal Lease Proposed Action Is Selected²

Type of State Fee or Tax	Fee or Tax Rate	Estimated Tonnage of Clean Recoverable Coal	Estimated Revenue to State of West Virginia
Special reclamation fee	\$0.07	26,275,874	\$1,839,311
Services fee	\$0.02	26,275,874	\$525,517
Highway transportation fee ²	\$0.05	11,275,874	\$563,794
Workers compensation tax	\$0.56	26,275,874	\$14,714,489
Total			\$17,643,112

Notes:

¹ Estimated revenue from state coal severance tax is calculated in table 5.1-2.

²Based on estimated tonnage of clean recoverable coal, \$43/ton coal price, current fees and taxes

³ If Argus is one of the successful bidders, the company would transport processed federal coal by truck to its terminal on the Big Sandy River. Argus would be subject to the highway transportation fee. Rockspring would transport its coal by rail and would not be subject to the highway transportation fee.

If the Proposed Action is selected, the Applicants are the successful bidder(s), and the RFDS is implemented, and the multiplier effect is applied:

- While no new jobs would be created, approximately 500 to 600 jobs would be maintained. The maintenance of those jobs would result in the maintenance of 700 to 840 other jobs elsewhere in the state's economy.
- Based on the Applicants' combined 2006 payroll of approximately \$35.7 million, the successful bidder(s)' continued payment of direct coal mining wages and benefits would result in the continued payment of about \$21.5 million in additional annual wages and benefits to others within the state economy.

Sterilization of Coal

<u>Existing Activities</u>—Separate from the decision made regarding the East Lynn Lake Coal Lease LUA/EIS, and regardless of that decision, substantial tonnages of coal may be removed from the mining reserve base, or "sterilized," by the installation of gas wells. If a gas well intersects a mineable coal seam, the mining operator must maintain a 200-foot radius buffer around the gas well. Each existing or proposed gas well situated within the federal coal under the proposed lease tracts must be protected in this manner. For each of these wells, about 7,800 tons of coal would be sterilized (BLM 2007a).

Chesapeake Appalachia, LLC has submitted several *Notices of Application for Well Work Permits* to the West Virginia Office of Oil and Gas. The permit applications are for proposed wells to be installed on Rockspring proposed lease tract F. The permits have been approved, and construction of the wells is expected to begin in the near future. No major oil and gas pipeline or liquefied natural gas projects have been proposed for West Virginia (FERC 2007). Up to 20 oil and gas wells could be drilled on the proposed lease tracts over the next five years (BLM 2007b).

<u>Proposed Action</u>—If the federal coal were to be mined after installation of the proposed wells described above, the successful bidder(s) at that time would have to leave protective barriers with a diameter of up to 200 feet and up to 7,800 tons of coal in place around those wells. Up to 156,000 tons of coal left in-place to protect the proposed oil and gas wells would be unrecoverable. Revenues would be lost, with a potential reduction in revenue of up to \$6,708,000 at current prices of \$43 per ton of coal. Based on the current oil and gas market, additional yet-to-be-proposed oil and gas drilling likely would occur, sterilizing more coal left in protective barriers.

<u>No Action Alternative</u>—Under the No Action Alternative, the No Action Scenario (NAS) would be implemented, and the federal coal under the proposed lease tracts would remain in place. Continued mining on adjoining private lands may leave minimal to no feasible underground access to the approximately 25 million tons of federal coal in the future. The land that lies over the federal coal is currently owned by the federal government and managed by the USACE. Surface access to the federal coal is not feasible based on current land use. Consequently, under the No Action Alternative, the federal coal that lies under the proposed lease tracts potentially could become inaccessible and lost from the reserve base, or "sterilized." Based on a current price of about \$43/ton as identified in

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the RFDS (BLM 2007a), Wayne County could realize a potential loss in federal royalty revenue of up to approximately \$29 million over a period of 10 years, a potential loss of \$39 million over a period of 15 years, and up to \$60,500 in state severance tax revenue.

Furthermore, if the federal coal were to be mined in the future, potential surface impacts could be greater because the existing processing and storage facilities potentially could be closed and unavailable for use. New facilities would need to be constructed in the vicinity of the federal coal, causing significant surface disturbance and potential environmental impacts.

5.1.2 Oil and Natural Gas

In addition to the federally-owned coal, privately-owned oil and natural gas is present under the proposed lease tracts. Estimates of oil and gas reserves in southwestern West Virginia vary widely, and production can range from as low as 10 to 100 million barrels of oil equivalent (MBOE) to as high as 1,000 to 10,000 MBOE, according to EIA data (EIA 2007b). In 2005, 230 billion cubic feet (Bcf) of dry natural gas were extracted from West Virginia (EIA 2006). In that same year, 132 acquisitions and 371 extensions of natural gas reserves occurred in West Virginia, according to the *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves 2005 Annual Report* (EIA 2006).

Eleven new natural gas fields were discovered in West Virginia in 2005. The proved dry natural gas reserves in West Virginia increased by 1,062 Bcf between the years 2004 to 2005, from 3,397 Bcf to 4,459 Bcf. Such an increase was observed in only six other states. This increase, along with the discovery of 11 new fields, suggests an increased level of exploration in the area and an increased level of extraction in the coming years (EIA 2006). No major oil and gas pipeline or liquefied natural gas (LNG) projects have been proposed for West Virginia in 2007 (FERC 2007).

The Sidney field in Wayne County is a recognized oil and natural gas field. West Virginia Geological and Economic Survey data collected in 2001 indicate that 2,501 to 6,000 million cubic feet (mmcf) of natural gas were produced in Wayne County (WVGES 2003). At least six different gas-productive zones are known to occur within the Devonian shale. These zones include the Big Lime, Big Injun, Squaw, and Berea. Devonian shales in the region consist of gray shales and siltstones. Brown or black, highly organic shale that contains high quantities of kerogen is found between the gray shale and siltstones. The gray shales and siltstones serve as the reservoir rock and the organic shale serves as the source rock (BLM 2007b). The majority of the reserves in the vicinity of the proposed least tracts are gas reserves, in the range of 1,000 to 10,000 mmcf (EIA 2007c).

At least 144 oil and gas wells exist on the proposed lease tracts (BLM 2007a). West Virginia Geological and Economic Survey data collected in 2001 indicate that 2,501 to 6,000 mmcf of natural gas were produced in Wayne County (WVGES 2003). Big Sandy Peaker Plant, LLC operates a natural-gas-fired electric generating facility and certain ancillary facilities for the generation of electricity exclusively for sale to the wholesale market in West Virginia and other locations in and contiguous to the East Central Electric Reliability Coordination Agreement region. The Big Sandy

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Peaker Plant is located on the Big Sandy River, west of the proposed lease tracts (USEPA 2007c). In addition, Cranberry Pipeline Corporation operates an oil and gas production facility west of the proposed lease tracts, on Edd Branch Road (USEPA 2007b).

Coal bed methane forms within coal seams. A regional estimation of proved coal bed methane reserves indicated that several ranges may apply to the vicinity of the proposed lease tracts: A low estimate of 1 to 200 Bcf, to a high of 500 to 1,500 Bcf (Limerick 2004). In the vicinity of the proposed lease tracts, recovery of coal bed methane has a low to medium likelihood (Limerick 2004).

5.1.3 **Timber**

With 12 million acres of forested land representing 78 percent of the state's land, West Virginia is the third most forested state in the U.S., following Maine and New Hampshire. Almost all of the forestland is available for commercial timber production. Historically, logging has been an important sector of the regional, state, and local economy. While employment fell in the state logging industry from 1980 to 2004, trends suggest continued growth (Childs 2005).

Forest products contribute less than 2 percent to the state GDP, but the wood products industry in total exceeds \$4 billion annually (Childs 2005). Private logging operations occur on private and state lands in the vicinity of the proposed lease tracts. Small-scale illegal logging on the proposed lease tracts is expected to remain stable and infrequent.

5.1.4 Flood Control and Recreation

Table 5.1-6 provides the USACE's 2006 employment and economic details. One of the economic values provided by the USACE East Lynn Lake Project is flood control. The dam provides protection to East Lynn and other downstream communities. Each year, the dollar value of potential flood damages is calculated. Cumulative through fiscal year 2006, based on best available data, approximately \$83,649,000 in potential flood damages was prevented by the facility (McKinley 2006). In addition to the financial value of flood damages prevented, the lake provides recreational opportunities, scenic value, fish and wildlife habitat, and other intrinsic values.

Table 5.1-6
USACE East Lynn Lake Project Economic Information, 2006

Number of Employees	
(including seasonal, part-time, and full-time):	9
Average Salary (with benefits and overtime):	\$41,000
Payroll (annual)	\$700,000
Total Project Budget:	\$1,250,000
Annual Gross Revenue	
including fees, licenses, etc. (approximate):	\$100,000
2006 County Generated Taxes (for 36,017 acres)	\$52,234
Estimated Local Economic Benefits	_
(cumulative flood control):	\$83,649,000
Number of Visitors	513,000
Number of Visitor Days	168,000

Source: Smith 2007b

5.1.5 Agriculture

Agricultural activity in the county includes family gardening, pasturing beef cattle, and cutting some hay. Raising cattle is less common in the vicinity of the proposed lease tracts. No vocational agricultural program is provided in Wayne County. Two agricultural organizations are active in the county: the Farm Bureau, which is part of the state and national organization, and the Cattlemen's Association, which is not affiliated with a national organization. Several conservation groups exist. The Wayne County Longbeards is a chapter of the National Wild Turkey Federation, and has helped to re-establish the wild turkey population in the county. Currently, the wild turkey population has recovered to the point that a spring gobbler hunting season is sustainable. A chapter of the Izaak Walton League is also active in the county. The presidents of both of these organizations reside near the proposed lease tracts (Marcum 2007).

The number of farms and the acreage of land in farms in West Virginia declined between 1997 and 2002, while the number of farms and the acreage of land in farms in Wayne County increased by 20 percent from 1997 to 2002. At both the state and county level, the average size of farms remained unchanged (NASS 2007). Based on statistics from the 2002 Census of Agriculture (National Agricultural Statistics Service), RUPRI (2006) reports that between 5 and 10 percent of Wayne County's farms are larger than 500 acres, similar to the state-wide average of 6.2 percent. The average farm size in West Virginia is 172 acres.

In the rugged terrain where the proposed lease tracts are located, recreation likely has been supplanting agriculture in the years since the USACE East Lynn Lake Project, Cabwaylingo State Forest and Beech Fork State Park were built. Maintaining small farms has become harder, with less available land and smaller families (Marcum 2007).

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5.2 Employment and Unemployment

Employment data used as economic indicators include:

- the number of people employed
- the number of people unemployed, and
- the overall employment rate.

Table 5.2-1 and figure 5.2-1 show employment data for the state of West Virginia and Wayne County in 1990 and 2000. The state's average unemployment rate was 7.3 percent in 2000. The county's rate was slightly lower, at 6.6 percent, down from a rate of 10.5 percent in 1990 (table 5.2-1).

Overall the unemployment rate has been on the rise, which is compatible with other state and national trends (Wayne County 2004). Figure 5.2-2 shows the unemployment rate by county in West Virginia for 2005 (RUPRI 2006). Annual average total civilian unemployment in the county fell 3.9 percent between 1990 and 2000 (U.S. Census Bureau 2007a).

Table 5.2-1 Employment Data 1990-2000

	Employed Persons		Unempl	oyed Persons	Unemployment Rate	
Region	1990	2000	1990	2000	1990	2000
West Virginia	671,085	732,673	71,142	58,021	9.6%	7.3 %
Wayne County	14,598	16,184	1,703	1,146	10.5%	6.6 %

Source: U.S. Census 2007a

As shown on figure 5.2-3, the WVDO (2005) found that Wayne County is projected to be one of 25 counties in the state with a negative employment growth rate. With an aging population, fewer persons will join the work force, and more income will be based on transfer payments. Any slackening in the state's economic development efforts means an intensification in governmental costs to cover increased social and fiscal problems (WVDO 2003).

Both population growth and employment are inter-dependent. Employment growth relative to population growth for the state in the last decade shows an upward trend compared to a downward trend for the nation. The method used to indicate this is a Labor Force Participation Rate, found by dividing the total employment by the total population. The ratios for 1990 and 2000 for the U.S. and West Virginia show that in 1990 the state's Labor Force Participation Rate was 52.9 percent, which increased by 1.6 percent to 54.4 percent in 2000. This rate indicates that while the overall rate of state employment lags behind that of the nation (59.7 percent), the state's rate of employment grows faster than its population (Census 2000, Table DP-3).

RUPRI (2006) reports that Wayne County is one of 35 West Virginia counties classified as "low-employment" counties. These counties, shown on figure 5.2-4, are designated based on the Economic Research Service classification if they have "less than 65 percent of residents 21-64 years old [who] were employed in 2000."

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5.3 Employment by Sector

Sectors of employment in West Virginia include:

- agriculture, forestry, fisheries, and mining
- public administration
- construction
- manufacturing
- transportation, communication, and public utilities
- wholesale trade
- retail trade
- finance, insurance, and real estate
- business and repair services
- personal, entertainment, and recreation services, and
- professional and related services.

State and county employment by industry sector, including the total percent change, in 1990 and 2000 (BEA 2007a, U.S. Census Bureau 2007d), is summarized in table 5.3-1. National employment by industry is shown on figure 5.3-1, and county employment by sector is shown on figure 5.3-3.

Table 5.3-1 Employment by Sector West Virginia and Wayne County, 1990 and 2000

Sector	West Virginia	Wayne County	Wayne County Percent Change 1990-2000
Mining*			
1990	36,412	481	
2000	(D)	(D)	N/A
Agriculture/Forestry/Fishing/ (Mining)	. ,	. ,	
1990	48,916	630	
2000 (includes mining*)	29,945	443	-30.0%
Manufacturing			
1990	99,741	2,561	
2000	87,147	2,174	-15.1%
Construction			
1990	46,855	1,149	
2000	51,512	1,022	-11.1%
Transportation/Warehousing/Utilities			
1990	53,338	1,679	
2000	43,946	1,541	-8.2%
Trade			
1990	145,363	3,209	
2000	116,180	2,839	-1.5%
Finance/Insurance/Real Estate			
1990	30,235	553	
2000	33,408	657	19.0%
Public Administration			
1990	29,686	574	
2000	42,451	683	19.0%
Services			
1990	216,951	4,238	
2000	314,168	6,461	52.5%

Notes: * Mining was accounted for as a separate sector in the 1990 census; in the 2000 census mining was accounted for in combination with the agriculture, forestry, and fishing sectors.

N/A indicates unavailable information.

Source: BEA 2007a; U.S. Census Bureau 2001

The sectors with the largest growth in employment in West Virginia between 1990 and 2000 (figure 5.3-2) include services (between 8 and 11 percent), public administration (2 percent), construction (1 percent), and finance, insurance, and real estate (1 percent) (USEPA 2003). Employment rates in other industry sectors declined. Since 1970, a shift away from manufacturing to services has negatively impacted earnings and income in West Virginia (WVDO 2003).

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⁽D) indicates less than 10 jobs or undisclosed and confidential information.

Sectors of employment in Wayne County include:

- mining
- agriculture/forestry/fishing/ mining
- construction
- manufacturing
- transportation/warehousing/utilities
- trade
- finance/insurance/real estate
- services, and
- public administration.

Of these sectors, the services sector experienced the largest growth between 1990 and 2000, with a 52.5 percent increase in employment (table 5.3-1). The finance/insurance/real estate sector (19.0 percent) and public administration sector (19.0 percent) also experienced high growth rates (Hammond 2005). Over the same 10-year period, employment in the other industry sectors in Wayne County declined, with decreases in employment rates ranging from -8.2 percent to -30.0 percent (table 5.3-1).

This decline may be attributed to changes in agriculture and fishing practices throughout West Virginia, as timber production and mining have always been important components of the planning area's economy. During the past decade and through the present, the agriculture industry in the planning area has trended toward fewer farms and full-time farmers and a decrease in the average farm size. Much of the decline can be explained by a decrease in the last decade in the value of livestock, poultry, and related products throughout the nation.

Data collected in 2002 indicate that an estimated 591 businesses exist in Wayne County (Federal Reserve Bank 2004). Major public and private employers in Wayne County include (KYOVA 2002):

- Wayne County Community Services
- Wayne County Commission
- Ballard's Farm and Sausage Inc.
- Wayne High School
- Wayne Continuous Care Center, Human Services Department
- Wayne Middle School, and
- Wayne County Board of Education.

Rockspring and Argus are among the top ten private employers in Wayne County as of March 2006 (Workforce West Virginia 2007). The "top ten" list includes:

- 1. Wayne County Board of Education
- 2. Veterans Administration Hospital
- 3. Rockspring Development, Inc.
- 4. Kanawha River Terminals, Inc. (Hatfield Dock and Transfer)
- 5. Wal-Mart Associates, Inc.
- 6. Wayne County Community Services Organization, Inc.
- 7. Argus Energy West Virginia, LLC
- 8. Aristech Chemical Corporation
- 9. Wayne County Commission
- 10. American National Rubber Company

The Economic Research Service classifies counties into one of five industry categories of specialization or as non-specialized. The typology for Wayne County is "government" industry, but note that the surrounding non-core counties are typified by mining, as shown on figure 5.3-4 (RUPRI 2006).

RUPRI (2006) reports that the self-employed comprise 20 to 30 percent non-farm employment in Wayne County. RUPRI uses these statistics as a county level indicator of entrepreneurship, and Wayne County ranks among the top 15 counties in West Virginia, as shown on figure 5.3-5.

5.4 Income and Poverty Levels

Over the past 40 years the Appalachian Regional Commission has tracked the well-being of the counties within the region. West Virginia, along with eastern Kentucky, has maintained the highest concentration of economically distressed counties (ARC 2007). According to the West Virginia Development Office (2003) every county in West Virginia has a per capita income below the U.S. average. RUPRI (2006) indicates that per capita income in Wayne County in 2004 was in the range of \$20,000 to \$24,999 (figure 5.4-1).

Indicators of income that the U.S. Census Bureau calculates include "income in households" and "income of families." Income in households is defined as income generated by all individuals 15 and older, whether related to the head of household or not. Table 5.4-1 shows the median household income, per capita income, and percent of population living in poverty for the State of West Virginia and Wayne County.

Table 5.4-1 Income and Poverty Level 1990 to 2000

	Median Household Income				Percent of Population Living in Poverty	
Region	1990	2000	1990	2000	1990	2000
West						
Virginia	\$20,795	\$29,696	\$10,520	\$16,477	19.7%	17.9%
Wayne						
County	\$23,311	\$27,352	\$9,430	\$14,906	21.8%	19.6%
Town of						
Wayne	\$13,844	\$20,242	\$9,039	\$11,626	27.4%	30.3%

Note: All dollar values are given as reported by the U.S. Census, unadjusted for inflation

Source: Census 2000, Table DP-3

State of West Virginia

In the state of West Virginia, there has been relatively little change in household composition for the past ten years. According to the 2000 Census, both spouses are employed in more than 60 percent of the households surveyed. In spite of the majority of West Virginia families working two jobs, West Virginia's median family income of \$36,484 is the lowest of any state in the nation. The median family income (2000) in the U.S. is \$50,046 (WVDO 2003; Census 2000, Table DP-3).

Wayne County

Wayne County had both a lower per capita income and median household income than the state of West Virginia. Workforce West Virginia reports that per capita income in Wayne County in 1999 was \$14,906, which was lower than that of the state's per capita income of \$16,477. Wayne County's median household income for 1999, \$27,352, was also lower than the state's median household income of \$29,696 (WWV 2007).

Wayne County had a total personal income (TPI) in 2001 of approximately \$7.1 million, ranking 18th in the state. Wayne County's TPI accounted for 1.7 percent of the state total. Total personal income includes net earnings by place of residence; dividends, interest, and rent; and transfer payments received by the residents of Wayne County. In 1991, when Wayne County ranked 17th in the state, the TPI was \$5.2 million. The 2001 TPI reflected an increase of 2.9 percent from 2000 (Wayne County 2004). In 2001:

- Net earnings accounted for the largest share of income at 60.9 percent of TPI (compared with 65.1 in 1991).
- Dividends, interest and rent were 13.7 percent (steady compared with 14.9 in 1991).
- Transfer payments were 25.4 percent (an increase compared with 20.0 in 1991).

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Town of Wayne

The 2000 Census shows the median income for a household in the town of Wayne as \$20,242 and the median income for a family as \$24,750. Males had a median income of \$27,292 compared to \$23,500 for females. The per capita income for the town was \$11,626. About 25.3 percent of families (82 families) and 30.3 percent of the population (330 individuals) were below the poverty line, including 32.6 percent of those under age 18 and 20.6 percent of those aged 65 or over (U.S. Census Bureau 2000, Table DP-3).

In the zip code 25570 (including the town of Wayne) 335 families (19.4 percent) and 1,299 individuals (22.2 percent) have income below poverty. The median per capita income is \$13,738 (1999 dollars), median family income is \$26,517, and household income is \$30,250 (U.S. Census 2007a).

Poverty Rates

The county's population living in poverty was higher than West Virginia's in both 1990 and 2000. Both the state's and the county's poverty rate decreased slightly between 1990 and 2000. In 2000 the poverty rate in West Virginia was 17.9 percent. That same year, the poverty rate in Wayne County was 19.6 percent, 2.2 percent lower than in 1990 (Census 2000, Table DP-3). In 2004, the poverty rate for the state of West Virginia dropped to 16.2 percent and for Wayne County dropped to 17.4 percent (U.S. Census Bureau 2007b).

As of 2000, 19.6 percent, or nearly one-fifth of the county's population could be classified as "poor," a proportion that is slightly higher than the state average of nearly 18 percent (Census 2000, Table DP-3). Furthermore, while minority groups are represented by less than 2 percent of the population of Wayne County (less than 5 percent of West Virginia as a whole), poverty is a major concern for this segment of the population.

RUPRI (2006) reports that the poverty rate in West Virginia in 2003 was 16.3 percent, compared to 12.5 percent for the U.S (figure 5.4-2). The poverty rate of West Virginia Counties (2003) ranged from 9.3 percent in Jefferson County to 32.4 percent in McDowell County. Figure 5.4-3 shows West Virginia counties and their ARC-designated level of distress and ARC regional planning districts. Wayne County, in planning district 2, is designated as transitional, with a poverty rate of 19.6 percent (Census 2000, Table DP-3).

5.5 Transfer Payments

Wayne County and the town of Wayne are very dependent on transfer payments, both from the government and from settlements or private retirement plans. Transfer payments include supplemental security income (SSI) retirement and disability insurance benefit payments, family assistance and food stamps, medical and disability benefits, educational benefits, as well as payments to nonprofits. Supplemental Security Income is a federal income supplement program funded by general tax revenues (not Social Security taxes) designed to help aged, blind, and disabled people, who have little or no income; and to provide cash to meet basic needs for food, clothing, and shelter (Social Security Administration 2007).

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Both the town and county show very high numbers from the 2000 Census (Table DP-3) that are not in the labor force: for the county more than 49 percent and for the town of Wayne nearly 55 percent. The 2000 Census reports 15,851 workers out of a total population of 42,903 or 37 percent employment for the population over the age of 16 in the county, and 361 workers (2000 Census Table DP-3) or 33 percent employment for the population over the age of 16 in the town of Wayne. Age demographics for both the county and the town (2000 Census Table DP-1) show that about 15-16 percent of both the county and town are likely retired. Within the working age population of 21-64 years, the 2000 Census (Table DP-2) shows residents with a disability at 31.3 percent for the county and at 39.3 percent in town.

Table 5.5-1 shows the growth of transfer payments to Wayne County from 1970 to 2005. Total payments increased by 76 percent from \$96.453 million in 1990 to \$170.707 million in 2000, and increased again by another 33 percent to \$226.9 million in 2005. The largest payments were for retirement and disability, followed by medical payments. The number of SSI recipients held steady from 1996-2003 in the range of 2,208-2,269. (BEA 2007b).

Table 5.5-1 Transfer Payments Wayne County 1970-2000

	1970 (\$000)	1980 (\$000)	1990 (\$000)	2000 (\$000)	2005 (\$000)
Government:					
Retirement and Disability	5,751	27,151	53,309	92,156	118,317
Government:					
Medical Payments	886	3,449	13,659	32,283	48,960
Government:					
Income Maintenance					
(SSI, Food Stamps, etc.)	3,828	7,343	13,873	25,376	31,745
Government:					
Veterans Benefits	3,389	6,055	6,112	8,385	14,063
Government:					
Payments to Nonprofit					
Institutions	542	1,908	2.414	4,590	6,105
Government:					
Unemployment Insurance	474	5,058-	2,734	2,512	4,331
Government:					
Education and Training					
Assistance					
(excludes Vets)	73	255	397	431	419
Government:					
Other Payments					
(BIA, Disaster Relief,					
Victims of Crime, etc.)	L	L	L	126	108
Business Payments					
to Individuals	398	1,280	2,930	4,590	2,874
Total	12,527	52,502	96,453	170,707	226,922

Note: L=Less than \$50,000, but estimates are included in the totals.

Note: All dollar values are given as reported by the U.S. Census, unadjusted for inflation Source: BEA 2007b Regional Economic Information System, Table CA35, 2007

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While the TPI from transfer payments is high in Wayne County, it is not classified as a "high-transfer" county by RUPRI (2006). However, Wayne County is adjacent to several of the 25 counties in West Virginia, shown on figure 5.5-1, that depend on transfer payments for more than 30 percent of the county TPI, based on 2004 data (RUPRI 2006).

5.6 Low-Income Populations

The U.S. Census Bureau uses a set of money income thresholds that vary by family size and composition to determine which families are poor. If a family's total income is less than the U.S. Census Bureau threshold, then that family, and every individual in it, is considered poor. The poverty thresholds do not vary geographically, but they are updated annually for inflation using the Consumer Price Index (Census 2000, Table DP-3).

Table 5.4-1 and figures 5.4-1 through 5.4-3 show income and poverty statistics for the state of West Virginia and Wayne County. In 2000, the average estimated poverty threshold for an individual in the U.S. was an annual income of \$8,787, and for a four-person household it was \$17,601 (Census 2000, Table DP-3).

Wayne County had both a lower per capita income and median household income than the state of West Virginia. The county's population living in poverty also was higher in both 1990 and 2000. Both the county's and state's poverty rate decreased slightly between 1990 and 2000, declining to 19.6 percent and 17.9 percent, respectively, in 2000 (table 5.4-1).

In 2000, the median income for a household in the town of Wayne was \$20,242, (table 5.4-1) and the median income for a family was \$24,750 (Census 2000, Table DP-3). Males had a median income of \$27,292 compared to \$23,500 for females. The per capita income for the town of Wayne was \$11,626. About 25.3 percent of families and 30.3 percent of the population were below the poverty line, including 35.9 percent of those under age 18 and 20.6 percent of those aged 65 or over (Census 2000, Table DP-3).

5.7 Economic Projections

According to the UKYCBER study, between 1997 and 2010, employment would decline by 6.5%, regional earnings would decline by 6.1 percent, and tax revenue would drop by 20.4 percent in central Appalachia. Meanwhile, transfer payments in the area would increase by 5 to 15 percent (Thompson and others 2001).

A more recent forecast prepared by the Bureau of Business and Economic Research (BBER) at West Virginia University calls for West Virginians to be better off (in terms of real per capita personal income) in 2010 than they are now (Hammond 2005). The forecast also suggests that state growth will fall short of that expected for the nation. This slowed relative growth will result in a widening

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per capita personal income gap with the nation in coming years. A detailed summary of West Virginia population and income forecasts is presented as Table 4 in the 2007 Outlook from the BBER and is provided here as appendix B. Table 5.7-1 shows the actual and anticipated growth in West Virginia and compares the rate of growth to the U.S.

Table 5.7-1
West Virginia and U.S.
Economic Growth and Projections

	West Virginia				Avg. Annual	
	Actual 1		Fore	ecast	Growth 2005-2010	
	1990	2004	2005	2010	W.V.	U.S.
Population						
(000s)	1,812	1,815	1,816	1,808	0.7	1.1
Real Per Capita						
Income	\$21,301	\$23,723	\$24,488	\$27,815	2.6	2.7
Non-farm						
Jobs (000s)	726.0	736.2	743.9	770.1	0.7	1.1
Unemployment						
Rate* (Percent)	6.3	5.3	4.8	4.6	-0.0	-0.0

Notes: * Growth rate is average annual change

All dollar values are given as reported by the U.S. Census, unadjusted for inflation

Source: Hammond 2005

The long-term outlook for job growth calls for modest annual gains through 2010, with state job growth falling well short of national growth. All net job gains are expected to come in the service-producing sectors, with goods-producing jobs continuing their downward slide. Mining jobs (especially coal mining) are expected to drop at a swift pace (USEPA 2003).

The West Virginia Economic Outlook 2006 (Hammond 2005) provides a five-year forecast, with the following observations for the state:

- West Virginia's demographics are in transition, losing population in the younger age groups, but gaining population in the older age groups (45 and older).
- For the period 2000-2005, West Virginia remained the only state with negative natural increase (more deaths than births), but grew faster than North Dakota and the District of Columbia, and as a result of net domestic migration accounted for growth of 7,900 residents.
- West Virginia suffered significant numbers of job losses during the first three years of the
 decade, primarily in producing goods. The forecast is to continue the job growth experienced
 since 2004.
- The Outlook forecasts state job growth of 0.7 percent through 2010, adding 5,200 jobs per year. While 75 percent of the state job gains through 2010 are expected in the service-providing sectors (professional and business services; health care and social assistance; and

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leisure and hospitality), natural resources and mining and construction are also expected to add jobs. Manufacturing job growth is expected, except in primary metals and chemicals.

- For the period 2000-2003, West Virginia experienced strong growth in natural resources and mining (high coal and natural gas prices) and construction (Eastern panhandle) sectors. Natural resources and mining growth are expected due to an increase in the production of coal and natural gas. Construction jobs are expected to grow at a slower pace as mortgage rates rise.
- Coal production is forecast to rise from 154 million tons in 2005 to 163 million tons through 2008, but expected to "drift downward" toward the end of the decade due to rising emission restrictions and rising production from western states coal, which competes with lower-sulfur coals produced in the southern part of the state.
- Risks to the state forecast include: risk of a national economic downturn, high energy prices and rising interest rates, and a decline in federal fiscal stimulus. Additional concerns include increasing competitive pressures from Pennsylvania and Maryland in the leisure and hospitality sector; avian flu outbreak in the poultry processing and agricultural sectors; and potential plant closures in the primary metals and chemicals sector.

While the state appears to hold steady for the next few years, the BBER study does model the Eastern Panhandle region and Southern West Virginia separately, as the economic drivers are quite different. While the Southern region is fairly dependent on coal, and considerable losses in coal mining are anticipated, the Eastern Panhandle region has more agriculture and metropolitan centers with the anticipated growth in the services sector.

For more specific regional and mining data, the West Virginia Senate Finance Committee commissioned a study of a nine-county area in southern West Virginia by Marshall University's Center for Business and Economic Research in 2000 (Burton, Hicks and Kent 2001). The study prepared a baseline forecast projecting a one percent decline (1,646) in total private sector employment assuming an approximate seven percent decline in coal production. Losses projected are the jobs and earnings that would be subtracted from these economies due to coal mining losses. While other economic forces are projected to bring new economic base jobs, the direct and multiplier losses reported in these studies indicate the extent to which the mining losses place a drag on local economies (USEPA 2003).

While the forecast for southern West Virginia may be fragile, some economic impetus is expected due to infrastructure improvements planned by the state under the State Appalachian Development Plan, prepared by the WVDO (2005). The WVDO is required by statute to "prepare and maintain an overall Strategic Plan for Economic Development." Table 5.8-2 shows the infrastructure projects proposed for Wayne County on the WVDO 2004-2005 Consolidated Project Priority List.

Table 5.7-2 Wayne County Projects WVDO 2004-2005 Consolidated Project Priority List

Rank	Project Name	Project Type	Cost
4	Prichard Wastewater	Water	\$3,300,000
12	City of Kenova Water System Improvements	Water	\$7,100,000
13	Town of Ceredo Water System Upgrade	Water	
14	Beech Fork State Park Lodge	Building	\$15,000,000
19	Town of Wayne Water Treatment Plant upgrade	Water	\$3,819,000
24	Dock Creek Pump Station and Sewer Extension	Sewer	\$2,036,000
27	Town of Fort Gay Water/Wastewater System	Water/Sewer	
28	Laurel Creek Emergency Water	Emergency	\$275,000
31	Crockett, Miller's Fork Water— Phase 2	Water	\$2,915,000
83	Town of Fort Gay Water Extension	Water	\$750,000
90	Crum-Kenova- Route 152/Exho/Joel's Branch Water—Phase 3	Water	\$200,000
99	Town of Wayne Sewer Improvements	Other	
108	Wayne County Bike Path	Recreation	
113	City of Kenova Welcome/Tourist Center	Tourism	
118	Hubbards Branch Water	Water	

Source: WVDO 2005

Part of the WVDO plan also addresses transportation needs. Highway improvements are scheduled to complete the Appalachian Corridor, a network of 4-lane expressways throughout the state. The TOLSIA Highway, following Highway 52, will be a major construction project from Williamson in Mingo County (to the south) through the west side of Wayne County to Huntington. The southern portion of Highway 52 will be extended by the King Coal Highway, which is ready to begin construction. The King Coal Highway will connect through Bluefield to Virginia and Highway 77.

6.0 SOCIAL AND ECONOMIC IMPACT ANALYSIS

6.1 Social and Economic Opportunities and Constraints

Social opportunities in the planning area are limited due to the low population density of the planning area. Social constraints in the planning area include the low density of population in areas outside of the regional city of Huntington. When fewer people live in an area, fewer social organizations can be sustained.

Economic opportunities in the planning area are limited due to the rugged terrain, and the limited infrastructure of roads and utilities. Without many major roads to provide access, much of the county is considered remote. This rugged terrain is the main economic constraint in the planning area. Few flat areas exist. Excavating or filling an area to create a flat surface suitable for constructing infrastructure or residential or commercial buildings is expensive and often uneconomical.

At some point in the next few decades, the coal reserves in the region will be exhausted. When the coal companies close their operations, the people currently employed at these facilities would lose their jobs. A decline in income would be expected due to the loss of jobs. A decline in demand for housing also would be expected.

6.2 Social and Economic Planning Criteria for Assessment

Demographic, social, and economic indicators were used to assess potential impacts to socioeconomic resources:

- outmigration
- social institutions
- condition of natural resources
- recreation opportunities
- employment, unemployment, and overall job growth
- earnings
- taxes and other forms of revenue to private companies and federal and local governments
- trends in economic sector growth

If significant impacts to natural resources such as water, plants, or animals at the USACE East Lynn Lake Project were to occur, then recreation at the USACE East Lynn Lake Project may be significantly impacted. These impacts could in turn significantly impact social and/or economic resources. If significant impacts to employment, job growth or decline, sector growth or decline, or revenues would be expected, then the economic impact would be considered significant.

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NEPA requires an analysis of the environmental impacts to minority and poor communities to assure that they are not burdened with an unfair portion of the impacts of a proposed action. Executive Order 12898, *Federal Actions to Address Environmental Justice in Minority and Low-income Populations*, was issued by President Clinton on February 11, 1994 (59 Federal Register 7629). This order requires that

...each federal agency make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities, on minority populations and low-income populations.

The criteria used to assess significance of impacts to environmental justice include any disproportionate burden of environmental or economic impacts on minority or poor communities, including:

- loss of job opportunities
- impacts to personal property, such as subsidence, negative changes in water quantity or quality
- reduced access to government services, and
- reduced access to recreational facilities.

Executive Order 13045, *Protection of Children from Environmental Health Risks and Safety Risks* (Executive Order 13045, 62 FR 19885) states that each federal agency shall make it a high priority to identify and assess environmental health risks and safety risks that may disproportionately affect children and ensure that its policies, programs, activities, and standards address disproportionate risks to children that result from environmental health risks or safety risks. Environmental health risks and safety risks mean risks to health or to safety that are attributable to products or substances that the child is likely to come into contact with or to ingest.

6.3 Socioeconomic Impacts-Proposed Action

If the Proposed Action is selected and the RFDS is implemented, and if the Applicants are the successful bidders, Rockspring would be able to extend the life of its existing, adjoining mining, processing, and waste storage facility operations by 5 to 10 years, and Argus would be able to extend the life of its operations by 10 to 15 years.

Impacts-Proposed Action-Social Resources

Social institutions such as churches and schools are stressed by decreasing and aging populations. While Wayne County has thus far been able to absorb population losses and maintain healthy education levels for the elementary and high school population, and many churches and civic organizations have maintained at least a core membership, governmental and mining company support have contributed greatly to this stability.

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Existing minor impacts to infrastructure—traffic and impacts to road surfaces—would continue. However, the continued state and local tax revenues would be applied to maintenance and funding projects as projected by WVDO (table 5.7-2).

No significant new impacts to natural resources are expected:

- No impacts to recreational areas or facilities of the East Lynn Lake area are expected because
 minimal to no subsidence is expected and no significant impacts to water, soils, plants, or
 animals are expected.
- The existing minor, localized impacts to natural resources resulting from coal mining—noise and entrainment of dust—would continue for the additional time period.
- No impacts to the dam or the lake itself are expected, and no impacts to flood protection services are expected.
- No significant impacts to water quality or quantity are expected, so no impacts to local residents' water wells are expected.

Regional, state, and local plans are to transition Wayne County's economy from one based on coal and other natural resources to one that relies more on recreation and services. If the economy should deteriorate and out-migration increase, social institutions are likely facing issues of financing and support that will threaten the social web of the area. Under the Proposed Action, sustained economic conditions, and continued mining company philanthropy would likely assist the community in maintaining social institutions.

Impacts-Proposed Action-Economic Resources

Existing impacts to economic resources—such as employment and property and employment taxes—also would continue to occur, which would contribute to maintaining the existing quality of life.

No negative economic impacts would occur under the Proposed Action. Instead, beneficial impacts to economic conditions would occur. The successful bidder(s) would receive coal sales revenue, the federal government and Wayne County would receive tax revenue, and the USACE would continue to be able to collect recreation fees.

Mining jobs and related economic benefits to Wayne County and the region would continue as the lives of the mines would be extended. Based on multiplier effects for West Virginia calculated in IMPLAN (WVDO 2007), these jobs would be magnified by multiplier effects, estimated to be 2.4 indirect and induced jobs supported by each mining job, indirect and induced wages and benefits of 60 cents per dollar of mining industry wages, and an additional 33 cents per mining dollar in state and local taxes paid by spin-off businesses and their employees in taxes.

As noted in section 5.2 (Employment and Unemployment), job growth in Wayne County is occurring in lower paying service jobs, and fewer high skill jobs are being created. If the Applicants are the

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successful bidder(s) and the RFDS is implemented, the Applicants would be able to extend the 500 to 600 jobs they currently provide for up to another 10 to 15 years. Multiplier effects on employment (4 to 7 percent), earnings (about 9 percent), and indirect output (about 0.3 percent) also would continue to benefit the local economy. By extending the duration of the mining jobs, wages, industrial output, and taxes and by extending other associated jobs, wages, industrial output, and taxes generated as a result of multiplier effects, the coal companies would help to facilitate the regional economy's transition from a more industrial economy to a more service-based economy. As a result, a sustained level of income would be expected. Current housing trends also would be expected to continue.

Because Wayne County does not have a sizable minority population, this continued economic stability would not affect minority populations. However, extending the duration of these jobs would help to maintain the economy of the region and provide economic opportunities for the poor. Extending these jobs would also be important to sustaining the existing tax base, which includes property tax, income tax, coal severance tax, and royalties. This reliable tax base in turn would extend existing access to government services for the poor.

The successful bidder(s) would receive up to approximately \$1,129,900,000 in revenue for the sale of up to approximately 26,275,874 tons of clean recoverable federal coal, based on a coal price of \$43/ton. Using the same coal price of \$43/ton, and a federal royalty rate of 8 percent applied to the sale of federal coal from underground mines, the U.S. Minerals Management Service would collect up to approximately \$90,400,000 in royalties. That royalty revenue would be distributed to various levels of government:

- 25 percent to the federal government
- 75 percent to the local government

The federal government would receive up to approximately \$22,600,000 in royalties, and Wayne County would receive a total of up to approximately \$67,800,000. Depending on the ratio applied, the Wayne County Commission could distribute as much as \$33,895,877 to \$54,240,000 in royalty fees to the Wayne County Board of Education and as much as \$13,560,000 to \$33,895,877 in fees to the Wayne County Roads Department.

Impacts-Proposed Action-Environmental Justice

With regard to environmental justice, the location of the mine is determined by the geologic setting of the coal resource. Coal companies construct mine facilities near the coal resource out of necessity to handle the coal as it is removed from the ground, and to reduce economic costs associated with transporting the coal to a processing facility. Constructing an underground mine limits the environmental impacts that would affect environmental justice communities, if they existed as discrete communities. Because coal is the historical, as well as current, economic base, development of the federal coal would benefit the whole community. As the resource is depleted, the community will need to transition to other economies. Regarding the East Lynn Lake Coal Lease, if the Applicants are the successful bidder(s), Rockspring would be able to extend the life of its existing,

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adjoining operations by 5 to 10 years, and Argus would be able to extend the life of its existing, adjoining facilities by 10 to 15 years, simultaneously extending employment for 500 to 600 workers. The affordable recreation of the East Lynn Project area would not be affected by implementing the RFDS and these activities (camping, swimming, fishing, wildlife observation and hunting, hiking, picnicking) would still be available to poor communities as well as the more prosperous. No negative impacts to minority or low-income populations are expected, and the proposed mining associated with the Proposed Action is not considered to be environmental justice issue.

Impacts-Proposed Action-Protection of Children

With regard to the protection of children, the proposed mining associated with the Proposed Action would involve underground mining and would have minimal surface impacts. No significant impacts to environmental health are expected, and no significant impacts to children are expected.

6.4 Socioeconomic Impacts—No Action

If the No Action Alternative is selected, the No Action Scenario (NAS) would be implemented: the federal coal would remain in place. No significant impacts to natural resources are expected under the NAS. No significant impacts to the USACE East Lynn Lake Project lands or facilities—such as the dam, the lake, or the lands surrounding the lake—are expected. Therefore, no impacts to flood protection services or recreation activities are expected. No significant impacts to social conditions are expected.

The existing environmental impacts from on-going coal mining, such as the presence of haul trucks on roads and resulting impacts to the roads, noise, and localized entrainment of dust would continue for the lives of the existing mines. However, no significant new environmental impacts are expected to occur.

Impacts-No Action-Social Resources

Under the No Action Alternative, social institutions in Wayne County would likely be threatened by a weakened economy and the loss of mining company philanthropy in the next 10 to 15 years, as coal reserves in the region are exhausted. Fewer jobs might result in increased out-migration, and financing and support of social institutions such as schools and churches likely would decline, threatening the social web of the area.

Impacts-No Action-Economic Resources

Under the NAS, the Applicants would continue to operate their existing, adjoining operations for another 10 to 15 years. The existing impacts to economic resources, such as employment and property and employment taxes also would continue to occur during that 10- to 15-year period. However, at current production rates, the Applicants would likely exhaust their current reserves on adjoining private lands in approximately 10 to 15 years, around 2017 or 2022. The companies may be able to acquire additional reserves that they could haul to their existing facilities to process. Also, the companies could reduce production rates to extend the lives of the facilities for several more

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years. When the Applicants do close their operations, the roughly 500 to 600 people currently employed at these facilities would lose their jobs. A decline in income would be expected due to the loss of jobs. A decline in demand for housing also would be expected.

Accessing the federal coal by surface means is not practical. As the Applicants continue their existing mining operations, underground access to the federal coal would become more and more limited. Consequently, in time the approximately 25 million tons of federal coal that lies under the proposed lease tracts potentially could become inaccessible and lost from the reserve base, or "sterilized." Using a coal price of \$43/ton, up to approximately \$1,129,900,000 of potential revenue would be lost from the regional economy. Regional coal users would obtain needed coal from other mines in the region or other regions of the U.S.

In addition, using a federal royalty rate of 8 percent applied by the U.S. Minerals Management Agency on the sale of federal coal from underground mines, the federal government would lose the opportunity to receive up to approximately \$22,600,000 in royalties on this federal coal. That loss might be permanent, because access to the federal coal could become infeasible if the No Action Alternative is selected and existing mining activities render the coal inaccessible by underground measures. Access to the federal coal by surface measures is prohibited under SMCRA.

Most importantly, Wayne County would lose the opportunity to receive distributed federal royalties totaling up to approximately \$67,800,000. Depending on the ratio applied, the Wayne County Commission could distribute as much as \$33,895,877 to \$54,240,000 in royalty fees to the Wayne County Board of Education and as much as \$13,560,000 to \$33,895,877 in fees to the Wayne County Roads Department.

Under the No Action Alternative, mining jobs and associated jobs created or maintained through the estimated multiplier effect of 4 to 7 percent would disappear when the life of the existing mines is exhausted in 10 to 15 years. The loss of jobs would negatively affect the socioeconomic framework of Wayne County, and significantly reduce the tax base. Multiplier effects of about 9 percent on earnings and about 0.3 percent on indirect output also would be lost.

Impacts-No Action-Environmental Justice

With regard to environmental justice, no significant impacts to minority populations are expected under the NAS. Access to job opportunities and government services for the poor would be detrimentally impacted.

Impacts-No Action-Protection of Children

With regard to the protection of children, the NAS associated with the No Action Alternative would involve no mining of the federal coal. No impacts to environmental health are expected, and no impacts to children are expected.

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7.0 CONCLUSIONS AND RECOMMENDATIONS FOR MITIGATION

If the Proposed Action is selected and the RFDS is implemented, the local community would have more time to adjust to changing social conditions as the transition from a coal economy takes place. No significant negative impacts to social conditions would occur. Significant positive impacts to economic conditions would occur. Based on a coal price of \$43/ton, the regional economy would receive up to approximately \$1,129,900,000 as the successful bidder(s) earned revenue on the sale of processed federal coal. The federal government would receive up to approximately \$22,600,000, and Wayne County would receive a total of up to approximately \$67,800,000. Of that 67,800,000, as much as \$33,895,877 to \$54,240,000 could be distributed to the Wayne County Board of Education, and as much as \$13,560,000 to \$33,895,877 could be distributed to the Wayne County Roads Department. Workforce Virginia and the Wayne County Economic Development Association provides economic statistics on a regular basis that can be used to monitor economic developments. Because the expected impacts would be positive, no mitigation is recommended.

If the No Action Alternative is selected and the NAS is implemented, the rate of change to social conditions would accelerate as social institutions in Wayne County would likely be threatened by a weakened economy and the loss of mining company philanthropy. Negative impacts to economic conditions would occur. The transition from an industrial economy to a service economy likely would be more difficult with the loss of the two Applicants' mining operations and associated indirect impacts occurring in the next 10 to 15 years. The revenues and royalties expected under the Proposed Action would not be received. Mitigation measures cannot be imposed on a no action scenario, because no proponent exists. However, the specialists suggest that the relevant governmental agencies note that if this alternative is selected job loss would occur in the near future.

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 - Table DP-1 Profile of General Demographic Characteristics
 - Table DP-2 Profile of Selected Social Characteristics
 - Table DP-3
 Profile of Selected Economic Characteristics
 - Table DP-4 Profile of Selected Housing Characteristics
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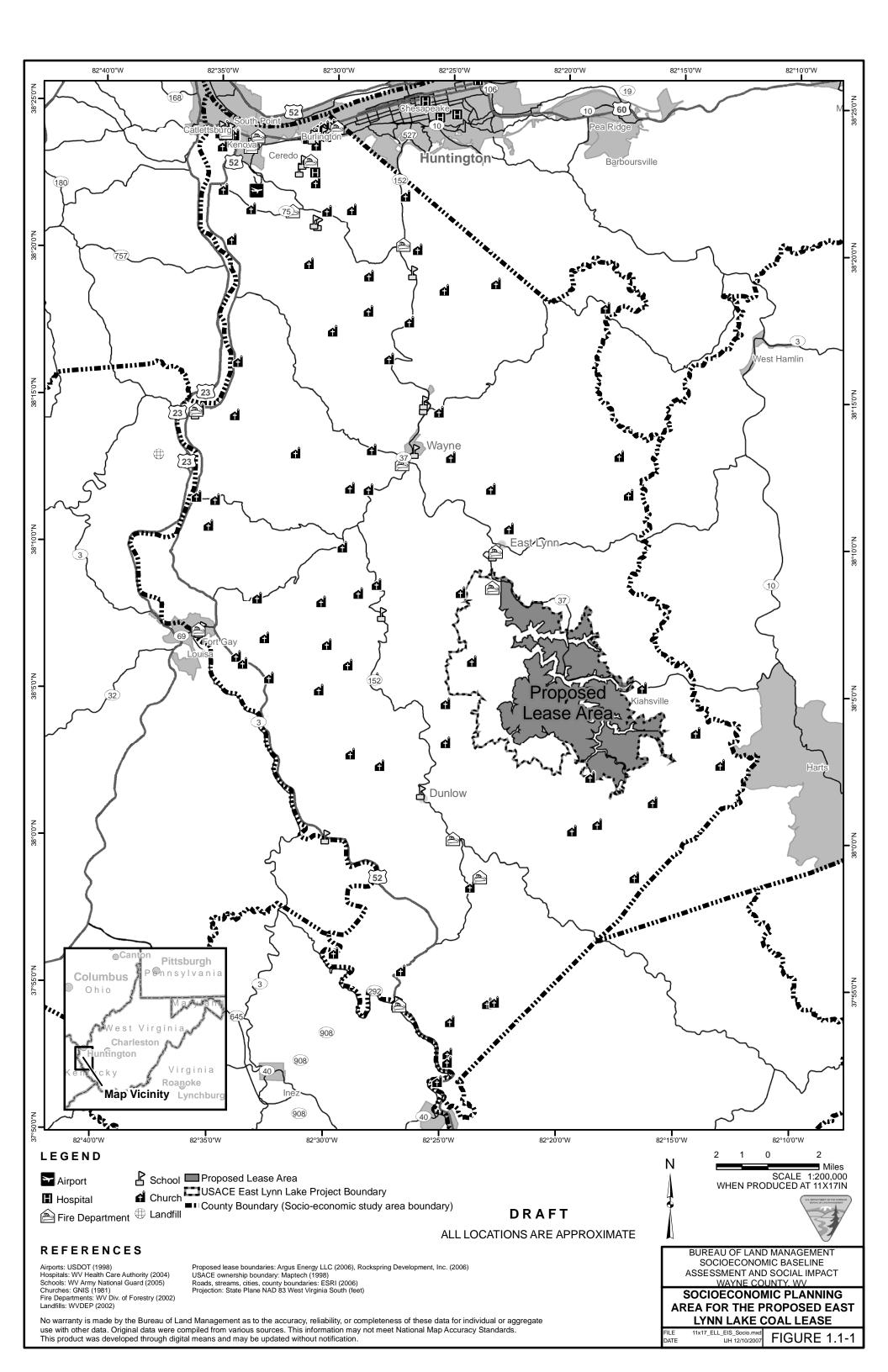
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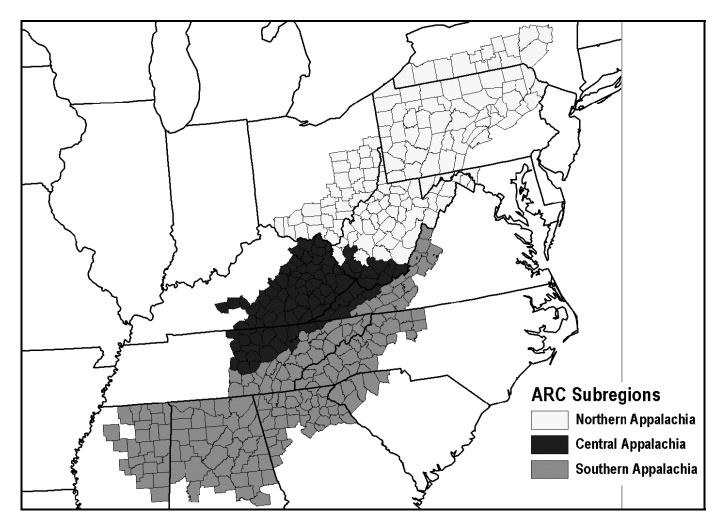


FIGURES





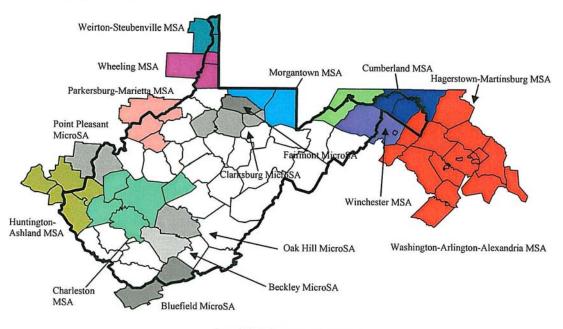




Source: Pollard 2003

Figure 2.1-1 Appalachian Regional Commission Subregions

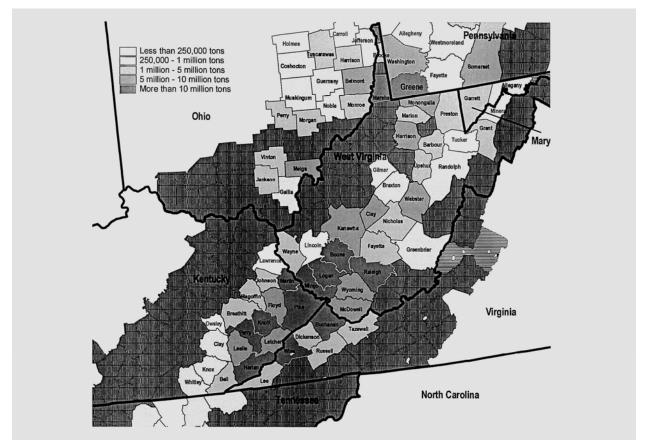
West Virginia's Statistical Areas Census 2000



Source: Office of Management and Budget (OMB)

Source: WVDO 2005

Figure 2.1-2 West Virginia's Metropolitan Statistical Areas



Source: Thompson and others 2001

Figure 2.4-1 Total Coal Production by County in the Central ARC Region, 1997

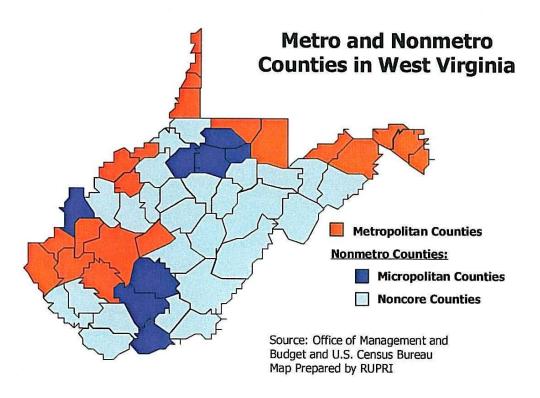
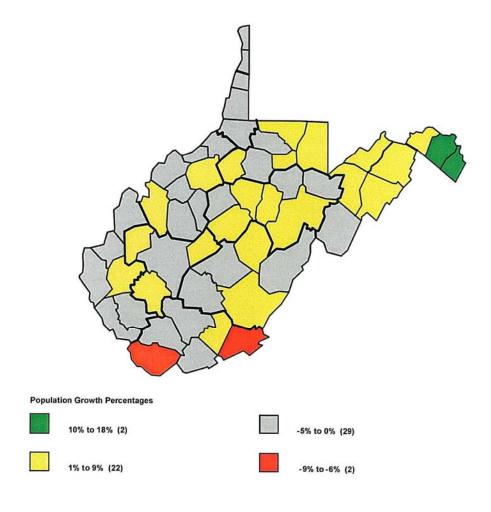


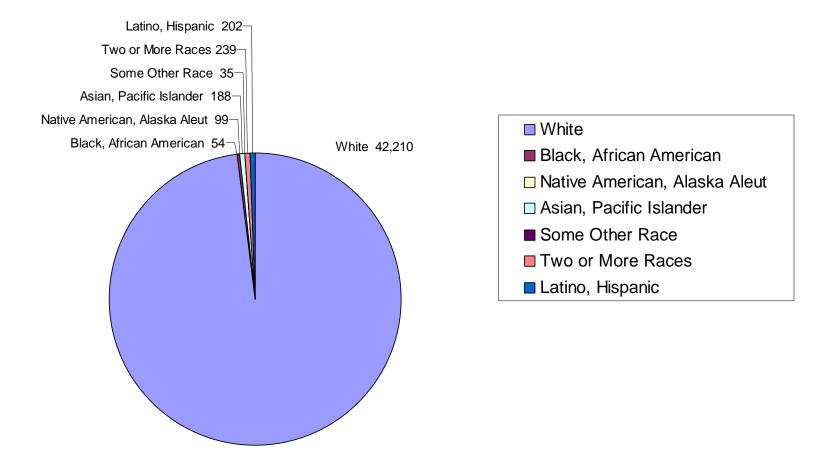
Figure 3.1-1 Metropolitan and Nonmetropolitan Counties in West Virginia



Source: WVDO 2005

Figure 3.1-2 Population Growth by County in West Virginia, 2000-2004

Bureau of Land Management Milwaukee Field Office--Rolla Office of Solid Minerals



Source: 2000 Census Table DP-1 (Wayne County)

Figure 3.2-1 Racial Groups in Wayne County, 2000

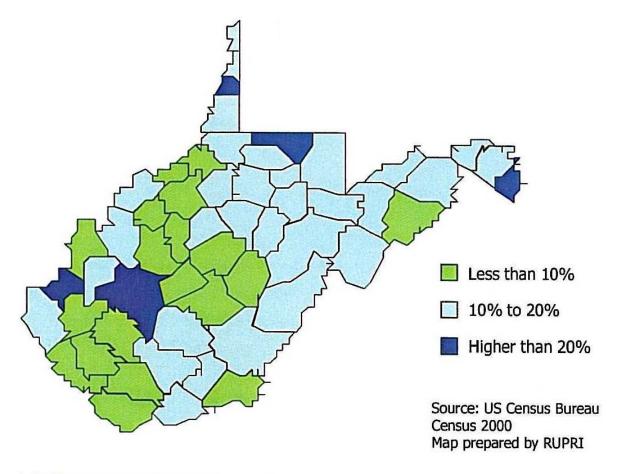


Figure 3.5-1 Educational Attainment in West Virginia, 2000 Census

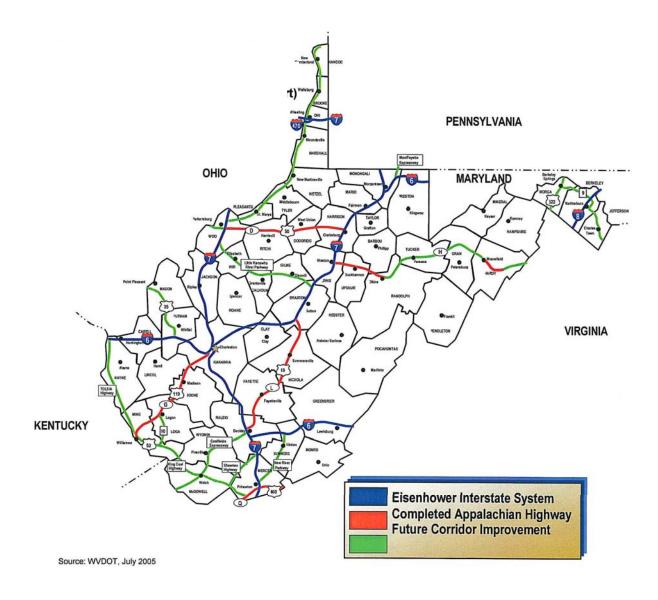


Figure 4.7-1 Major Highway Corridors in West Virginia

Bureau of Land Management Milwaukee Field Office--Rolla Office of Solid Minerals

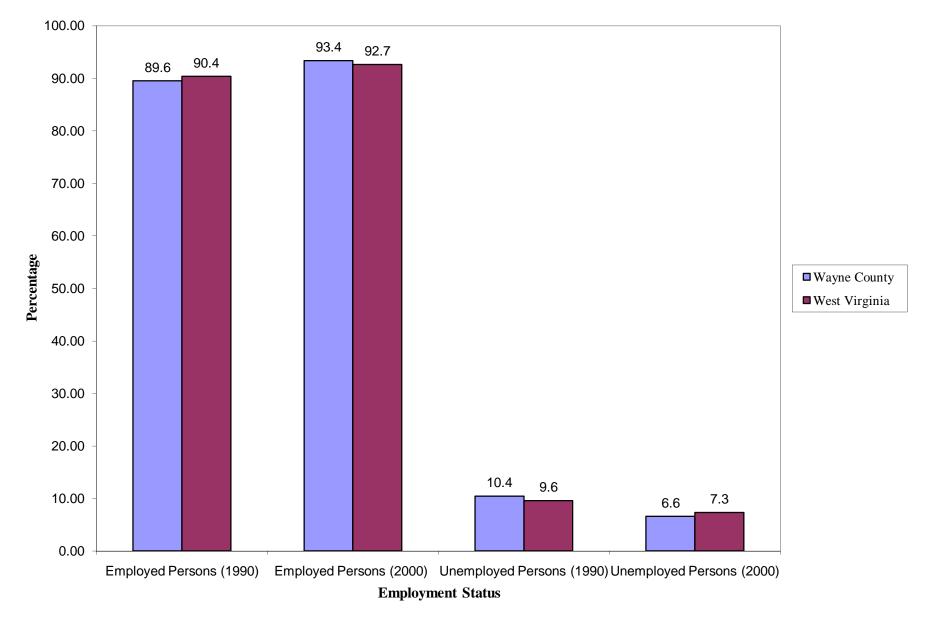


Figure 5.2-1 Employment Data 1190-2000

Bureau of Land Management Milwaukee Field Office --Rolla Office of Solid Minerals

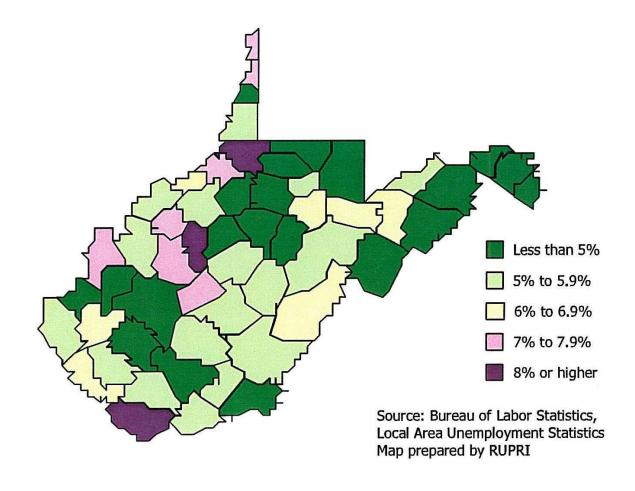
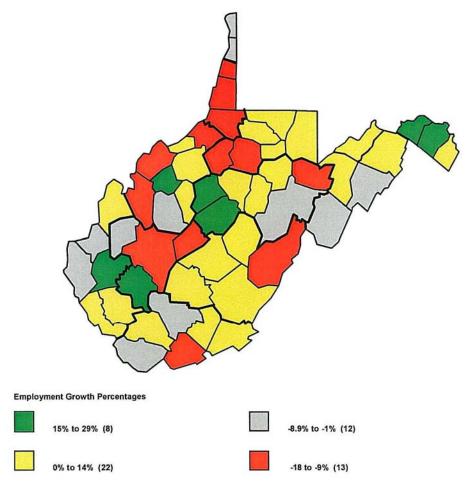


Figure 5.2-2 Unemployment Rate by County in West Virginia, 2005



Source: WVDO 2005

Figure 5.2-3 Employment Growth by County in West Virginia, 2000-2005

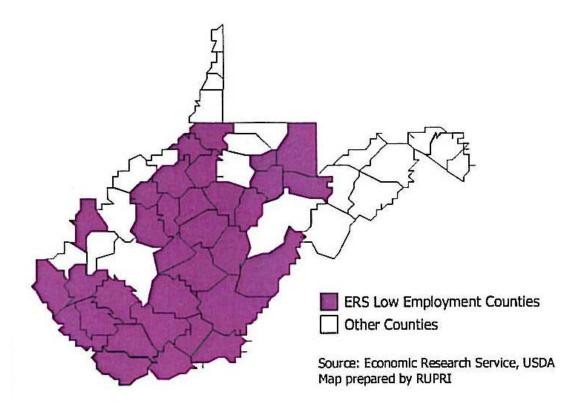


Figure 5.2-4 Low-Employment Counties in West Virginia, 2000

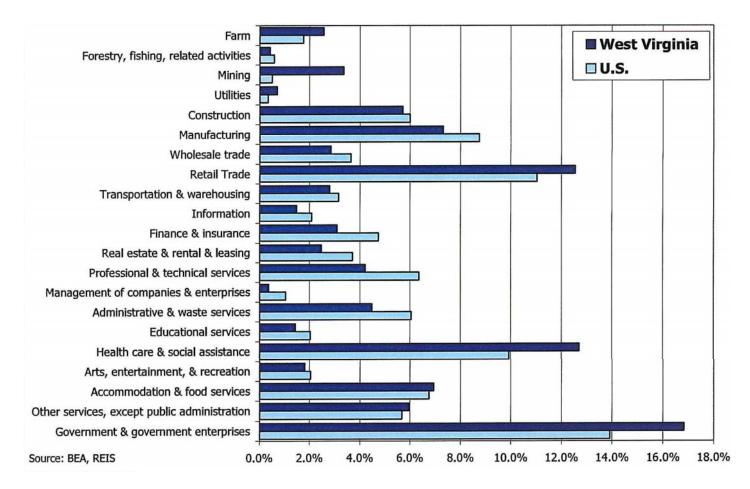


Figure 5.3-1 Employment by Industry in West Virginia and the U.S. 2004

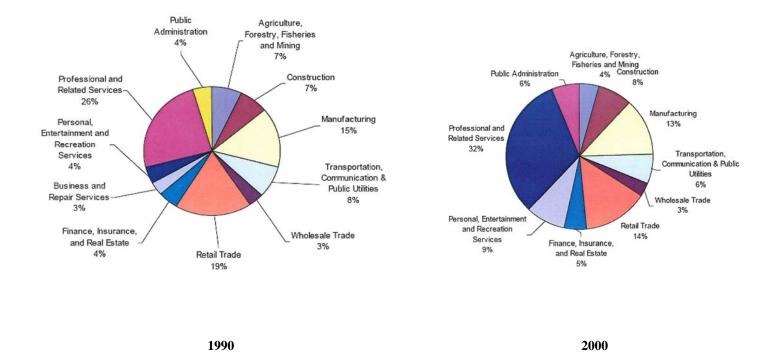
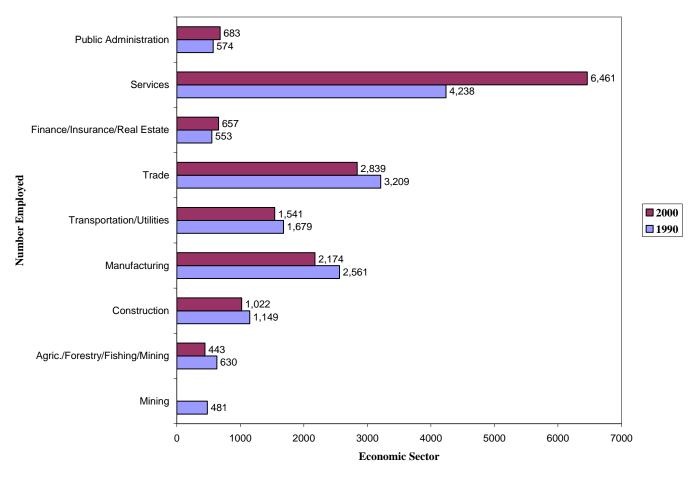


Figure 5.3-2 West Virginia Employment by Industry, 1990-2000



Source: BEA 2007; 2000 Census, Table DP-3

Notes:

(D) indicates less than 10 jobs or disclosed and confidential information.

N/A indicates unavailable information.

Mining was accounted for as a separate sector in the 1990 census; in the 2000 census, mining was accounted for in combination with the agriculture, forestry, and fishing sectors.

Figure 5.3-3 Employment by Sector in Wayne County, 1990 and 2000

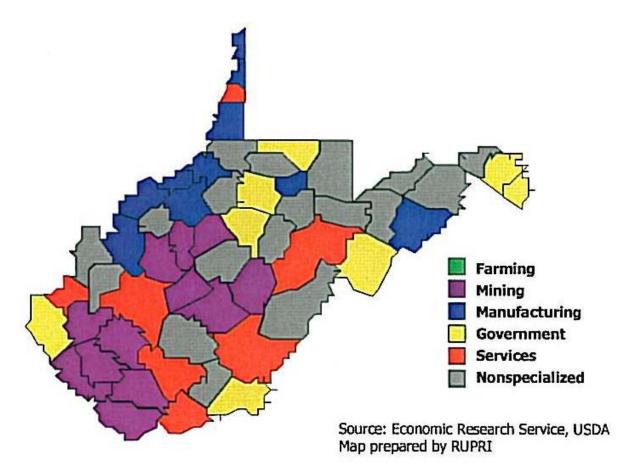


Figure 5.3-4 Industry Specialization for West Virginia Counties (ERS Economic Typology)

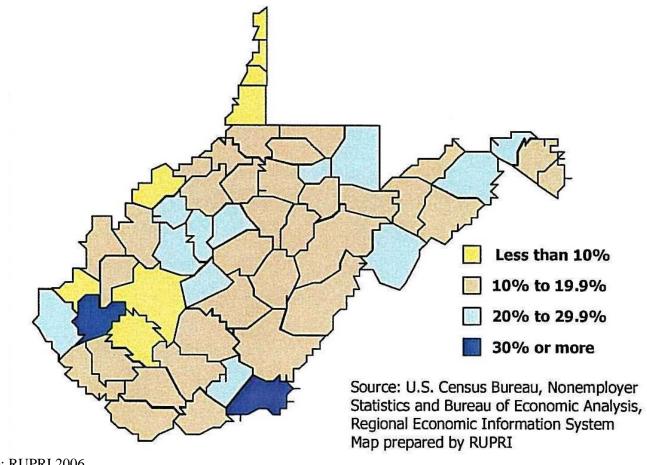


Figure 5.3-5 Self-employment as a Percent of Non-farm Private Employment in West Virginia, 2003

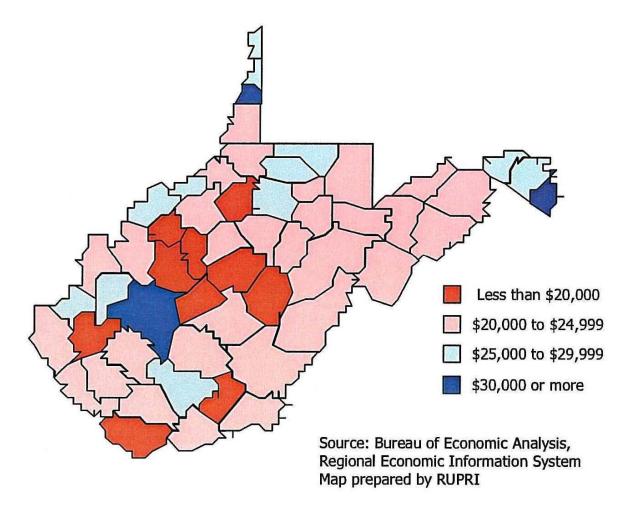


Figure 5.4-1 Per Capita Income for the State of West Virginia, 2004

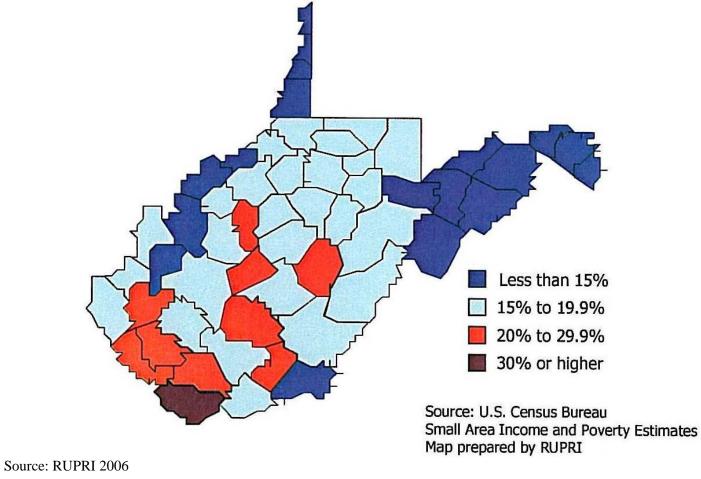
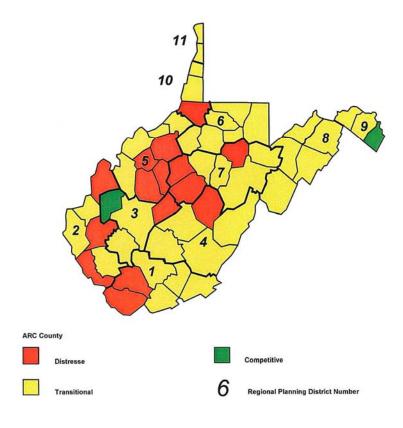


Figure 5.4-2 Percent of Population in Poverty for the State of West Virginia, 2003



Source: WVDO 2005

Figure 5.4-3 Appalachian Regional Commission Distressed Counties in West Virginia 2005-2006

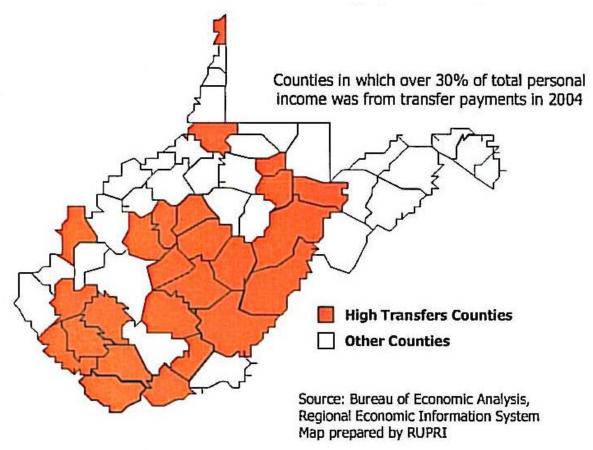


Figure 5.5-1 Transfer Payments for Counties in West Virginia with Greater than 30 % Total Personal Income from 2004



APPENDIX A CENSUS 2000 TABLES



CENSUS 2000 TABLES FOR TOWN OF WAYNE



Table DP-1. Profile of General Demographic Characteristics: 2000

Geographic area: Wayne town, West Virginia

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population	1,105	100.0	HISPANIC OR LATINO AND RACE		
CEY AND ACE			Total population	1,105	100.0
SEX AND AGE			Hispanic or Latino (of any race)	5	0.5
Male	516	46.7	Mexican	.=.	-
Female	589	53.3	Puerto Rican	4	0.4
Under 5 years	73	6.6	Cuban	-	-
5 to 9 years	71	6.4	Other Hispanic or Latino	1	0.1
10 to 14 years	66	6.0	Not Hispanic or Latino	1,100	99.5
15 to 19 years	73	6.6	White alone	1,082	97.9
20 to 24 years	73	6.6	RELATIONSHIP		
25 to 34 years	167	15.1	Total population	4 405	100.0
35 to 44 years	153	13.8	In households	1,105	
45 to 54 years	121	11.0	Householder	1,085	98.2
55 to 59 years	62	5.6	Spouse	486	44.0
60 to 64 years	65	5.9	Child	237	21.4
65 to 74 years	91	8.2	Own child under 18 years	299	27.1
75 to 84 years	70	6.3	Other relatives	229	20.7
85 years and over	20	1.8	Under 18 years	34 16	3.1
Median age (years)	36.6		Nonrelatives	29	1.4 2.6
Wedian age (years)	30.0	(X)	Unmarried partner	18	
18 years and over	855	77.4	In group quarters		1.6
Male	389	35.2	Institutionalized population.	20 20	1.8
Female	466	42.2	Noninstitutionalized population	20	1.8
21 years and over	812	73.5	Normaticulorianzed population	-	ā
62 years and over	214	19.4	HOUSEHOLD BY TYPE		
65 years and over	181	16.4	Total households	486	100.0
Male	70	6.3	Family households (families)	322	66.3
Female	111	10.0	With own children under 18 years	146	30.0
dodae - regardo			Married-couple family	237	48.8
RACE			With own children under 18 years	102	21.0
One race	1,093	98.9	Female householder, no husband present	68	14.0
White	1,083	98.0	With own children under 18 years	36	7.4
Black or African American	1	0.1	Nonfamily households	164	33.7
American Indian and Alaska Native	3	0.3	Householder living alone	152	31.3
Asian	2	0.2	Householder 65 years and over	75	15.4
Asian Indian	1	0.1			
Chinese	3=0	-	Households with individuals under 18 years	161	33.1
Filipino	:=:	_	Households with individuals 65 years and over	145	29.8
Japanese	1	0.1	Average household size	2.23	(X)
Korean	-	-	Average family size	2.77	(X)
Vietnamese	-	-	, , , , , , , , , , , , , , , , , , , ,		(**)
Other Asian 1	-	-	HOUSING OCCUPANCY		
Native Hawaiian and Other Pacific Islander	-	·=:	Total housing units	561	100.0
Guamanian or Chamorro		1. 1 1.	Occupied housing units	486	86.6
	×==		Vacant housing units	75	13.4
SamoanOther Pacific Islander ²	-		For seasonal, recreational, or		
Some other race	ا آ	0.4	occasional use	3	0.5
	4	0.4	TY 37 F 37		7.5.5
Two or more races	12	1.3	Homeowner vacancy rate (percent)	7.2	(X)
Race alone or in combination with one			Rental vacancy rate (percent)	10.7	(X)
or more other races: 3			HOUSING TENUBE		
White	1,095	99.1	HOUSING TENURE		
Black or African American	2	0.2	Occupied housing units	486	100.0
American Indian and Alaska Native	10	0.9	Owner-occupied housing units	311	64.0
Asian	6	0.5	Renter-occupied housing units	175	36.0
Native Hawaiian and Other Pacific Islander	-	-	Average household size of owner-occupied units.	2.19	(X)
Some other race			Average household size of renter-occupied units.	2.10	(//)

⁻ Represents zero or rounds to zero. (X) Not applicable.

Other Asian alone, or two or more Asian categories.

Source: U.S. Census Bureau, Census 2000.

Other Asian aione, or two or more Asian categories.
 Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.
 In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Table DP-2. Profile of Selected Social Characteristics: 2000

Geographic area: Wayne town, West Virginia

Subject	Number	Percent	Subject	Number	Percent
SCHOOL ENROLLMENT	551 D20 038		NATIVITY AND PLACE OF BIRTH		
Population 3 years and over			Total population	1,113	100.0
enrolled in school	195	100.0	Native	1,111	99.8
Nursery school, preschool	18	9.2	Born in United States	1,106	99.4
Kindergarten	16	8.2	State of residence	910	81.8
Elementary school (grades 1-8)	108	55.4	Different state	196	17.6
High school (grades 9-12)	33	16.9	Born outside United States	5	0.4
College or graduate school	20		Foreign born	2	0.4
College of graduate scriber	20	10.0	Entered 1990 to March 2000	. 4	0.2
EDUCATIONAL ATTAINMENT				-	? ₩
	748	100.0	Naturalized citizen	-	-
Population 25 years and over Less than 9th grade			Not a citizen	2	0.2
	172	23.0	REGION OF BIRTH OF FOREIGN BORN		
9th to 12th grade, no diploma	140	18.7	Total (excluding born at sea)	2	100.0
High school graduate (includes equivalency)	264	35.3			
Some college, no degree	91	12.2	Europe	2	100.0
Associate degree	14	1.9	Asia		-
Bachelor's degree	26	3.5	Africa	-	-
Graduate or professional degree	41	5.5	Oceania	÷	973
	V2012 1200	2011	Latin America	-	-
Percent high school graduate or higher	58.3	(X)	Northern America	-	
Percent bachelor's degree or higher	9.0	(X)			
		201 005	LANGUAGE SPOKEN AT HOME		
MARITAL STATUS			Population 5 years and over	1,040	100.0
Population 15 years and over	914	100.0	English only	1,021	98.2
Never married	135	14.8	Language other than English	19	1.8
Now married, except separated	504	55.1	Speak English less than "very well"	11	1.1
Separated	23	2.5	Spanish	4	0.4
Widowed	107	11.7	Speak English less than "very well"	X =	5-
Female	79	8.6	Other Indo-European languages	10	1.0
Divorced	145	15.9	Speak English less than "very well"	8	0.8
Female	78	8.5	Asian and Pacific Island languages		2.0
remale	10	0.0	Speak English less than "very well"		100
CDANDDADENTS AS CADECIVEDS			opour English less than very well		8.77
GRANDPARENTS AS CAREGIVERS		8	ANCESTRY (single or multiple)	1	
Grandparent living in household with			Total population	1,113	100.0
one or more own grandchildren under			Total ancestries reported	669	60.1
18 years	24	100.0	Arab	003	00.7
Grandparent responsible for grandchildren	13	54.2	Czech ¹	1785	6000
			Danish	-	
VETERAN STATUS				4.	- 40
Civilian population 18 years and over	879	100.0	Dutch	14	1.3
Civilian veterans	113	12.9	English	59	5.3
			French (except Basque) ¹ French Canadian ¹	11	1.0
DISABILITY STATUS OF THE CIVILIAN			Lerench Canadian'		
				-	-
NONINSTITUTIONALIZED POPULATION			German	- 29	- 2.6
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	225	100.0	German	3	2.6 0.3
Population 5 to 20 years	225		German		
Population 5 to 20 years	32	14.2	German Greek Hungarian Irish ¹	3	0.3
Population 5 to 20 years With a disability	32 606	14.2 100.0	German Greek Hungarian Irish ¹ Italian	3 5	0.3 0.4
Population 5 to 20 years With a disability Population 21 to 64 years With a disability	32 606 238	14.2 100.0 39.3	German Greek Hungarian Irish ¹ Italian	3 5 87	0.3 0.4 7.8
Population 5 to 20 years	32 606 238 31.1	14.2 100.0	German Greek Hungarian Irish ¹ Italian Lithuanian	3 5 87	0.3 0.4 7.8
Population 5 to 20 years With a disability Population 21 to 64 years With a disability	32 606 238	14.2 100.0 39.3	German Greek Hungarian Irish ¹ Italian Lithuanian Norwegian	3 5 87	0.3 0.4 7.8
Population 5 to 20 years	32 606 238 31.1	14.2 100.0 39.3 (X)	German Greek Hungarian Irish ¹ Italian Lithuanian Norwegian Polish	3 5 87 2 - -	0.3 0.4 7.8 0.2 -
Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed	32 606 238 31.1 368 68.8	14.2 100.0 39.3 (X) 60.7 (X)	German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese	3 5 87	0.3 0.4 7.8
Population 5 to 20 years. With a disability. Population 21 to 64 years. With a disability. Percent employed. No disability Percent employed Population 65 years and over.	32 606 238 31.1 368 68.8	14.2 100.0 39.3 (X) 60.7 (X) 100.0	German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian	3 5 87 2 - - 2	0.3 0.4 7.8 0.2 - - 0.2
Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed	32 606 238 31.1 368 68.8	14.2 100.0 39.3 (X) 60.7 (X)	German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish	3 5 87 2 - - 2 - 59	0.3 0.4 7.8 0.2 - - 0.2 - 5.3
Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability	32 606 238 31.1 368 68.8	14.2 100.0 39.3 (X) 60.7 (X) 100.0	German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottish	3 5 87 2 - - 2	0.3 0.4 7.8 0.2 - - 0.2
Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995	32 606 238 31.1 368 68.8 189 123	14.2 100.0 39.3 (X) 60.7 (X) 100.0 65.1	German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottlish Slovak	3 5 87 2 - - 2 - 59	0.3 0.4 7.8 0.2 - - 0.2 - 5.3
Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over	32 606 238 31.1 368 68.8 189 123	14.2 100.0 39.3 (X) 60.7 (X) 100.0 65.1	German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African	3 5 87 2 - - 2 59 12	0.3 0.4 7.8 0.2 - 0.2 5.3 1.1
Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995.	32 606 238 31.1 368 68.8 189 123	14.2 100.0 39.3 (X) 60.7 (X) 100.0 65.1	German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African Swedish	3 5 87 2 - - 2 - 59	0.3 0.4 7.8 0.2 - - 0.2 - 5.3
Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995	32 606 238 31.1 368 68.8 189 123 1,040 610 430	14.2 100.0 39.3 (X) 60.7 (X) 100.0 65.1	German Greek Hungarian Irish ¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotth-Irish Scottish Slovak Subsaharan African Swedish Swiss	3 5 87 2 - - 2 59 12	0.3 0.4 7.8 0.2 - 0.2 5.3 1.1
Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995.	32 606 238 31.1 368 68.8 189 123	14.2 100.0 39.3 (X) 60.7 (X) 100.0 65.1	German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African Swedish Swiss Ukrainian	3 5 87 2 - - 2 59 12	0.3 0.4 7.8 0.2 - 0.2 5.3 1.1
Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995 Same county Different county	32 606 238 31.1 368 68.8 189 123 1,040 610 430	14.2 100.0 39.3 (X) 60.7 (X) 100.0 65.1	German Greek Hungarian Irish ¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotth-Irish Scottish Slovak Subsaharan African Swedish Swiss	3 5 87 2 - - 2 59 12	0.3 0.4 7.8 0.2 - 0.2 5.3 1.1
Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995 Same county	32 606 238 31.1 368 68.8 189 123 1,040 610 430 241	14.2 100.0 39.3 (X) 60.7 (X) 100.0 65.1 100.0 58.7 41.3 23.2	German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African Swedish Swiss Ukrainian	3 5 87 2 - 2 59 12 -	0.3 0.4 7.8 0.2 0.2 5.3 1.1
Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995 Same county Different county	32 606 238 31.1 368 68.8 189 123 1,040 610 430 241 189	14.2 100.0 39.3 (X) 60.7 (X) 100.0 65.1 100.0 58.7 41.3 23.2 18.2 10.0	German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African Swedish Swiss Ukrainian United States or American	3 5 87 2 - 2 59 12 - 3 -	0.3 0.4 7.8 0.2 0.2 5.3 1.1 - 0.3

⁻Represents zero or rounds to zero. (X) Not applicable.

1 The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-3. Profile of Selected Economic Characteristics: 2000

Geographic area: Wayne town, West Virginia

Subject	Number	Percent	Subject	Number	Percent
EMPLOYMENT STATUS			INCOME IN 1999		
Population 16 years and over	907	100.0	Households	482	100.0
In labor force	409	45.1	Less than \$10,000	131	27.2
Civilian labor force	409		\$10,000 to \$14,999	66	13.7
Employed	374		\$15,000 to \$24,999	80	16.6
Unemployed	35	3.9	\$25,000 to \$34,999.	80	16.6
Percent of civilian labor force	8.6		\$35,000 to \$49,999.	54	11.2
Armed Forces	0.0	(//)	\$50,000 to \$74,999	42	8.7
Not in labor force	498	540	\$75,000 to \$99,999.		
Not in labor force	450		\$100,000 to \$149,999	19	3.9
Females 16 years and over	488	100.0		10	2.1
In labor force	171	35.0	\$150,000 to \$199,999	-	-
Civilian labor force	171	35.0	\$200,000 or more		-
Employed	152	31.1	Median household income (dollars)	20,242	(X)
98.71 83	00	400.0	With earnings	291	60.4
Own children under 6 years	82	100.0	Mean earnings (dollars) ¹	30,913	
All parents in family in labor force	42	51.2	With Social Security income	- 25	(X)
COMMUTING TO WORK				194	40.2
Workers 16 years and over	361	100.0	Mean Social Security income (dollars) ¹	9,512	(X)
Car, truck, or van drove alone	280	77.6	With Supplemental Security Income	84	17.4
Car, truck, or van carpooled	35	9.7	Mean Supplemental Security Income		
	33	9.7	(dollars) ¹	5,625	(X)
Public transportation (including taxicab)	-	7.0	With public assistance income	35	7.3
Walked	26	7.2	Mean public assistance income (dollars) ¹	1,341	(X)
Other means	15	4.2	With retirement income	80	16.6
Worked at home	5	1.4	Mean retirement income (dollars) ¹	9,345	(X)
Mean travel time to work (minutes) ¹	25.7	(X)	Familia	20.4	400.0
For-level skiller regulation		3	Families	324	100.0
Employed civilian population	074	400.0	Less than \$10,000	62	19.1
16 years and over	374	100.0	\$10,000 to \$14,999	38	11.7
OCCUPATION			\$15,000 to \$24,999	63	19.4
Management, professional, and related			\$25,000 to \$34,999	59	18.2
occupations	78		\$35,000 to \$49,999	46	14.2
Service occupations	52		\$50,000 to \$74,999	36	11.1
Sales and office occupations	116		\$75,000 to \$99,999	12	3.7
Farming, fishing, and forestry occupations	4	1.1	\$100,000 to \$149,999	8	2.5
Construction, extraction, and maintenance	All Section	0.4007702.54000	\$150,000 to \$199,999	-	-
occupations	45	12.0	\$200,000 or more	-	-
Production, transportation, and material moving			Median family income (dollars)	24,750	(X)
occupations	79	21.1			Mega Ma
			Per capita income (dollars) ¹	11,626	(X)
INDUSTRY			Median earnings (dollars):	9	BR 0400
Agriculture, forestry, fishing and hunting,			Male full-time, year-round workers	27,292	(X)
and mining	13	3.5	Female full-time, year-round workers	23,500	(X)
Construction	50	13.4			
Manufacturing	33	8.8		Number	Percent
Wholesale trade	11	2.9		below	below
Retail trade	85	22.7		poverty	poverty
Transportation and warehousing, and utilities	15	4.0	Subject	level	level
Information	3	0.8			
Finance, insurance, real estate, and rental and	3	0.0	l		
leasing	16	4.3	POVERTY STATUS IN 1999	1000	SOURCE
Professional, scientific, management, adminis-	10	4.3	Families	82	25.3
trative, and waste management services	22	5.9	With related children under 18 years	56	35.9
	20000		With related children under 5 years	26	37.7
Educational, health and social services	68	18.2			
Arts, entertainment, recreation, accommodation		^ -	Families with female householder, no		
and food services	14	3.7	husband present	29	37.7
Other services (except public administration)	23	6.1	With related children under 18 years	19	50.0
Public administration	21	5.6	With related children under 5 years	8	66.7
CLASS OF WORKER			Individuals	330	30.3
Private wage and salary workers	285	76.2		254	29.6
Government workers	61	16.3		39	20.6
		The Control of the Co	Deleted children under 10 veses	74	32.6
Self-employed workers in own not incorporated			Related Children under 16 years	74	32.0
	26	7.0	Related children under 18 years	74 54	35.1

⁻Represents zero or rounds to zero. (X) Not applicable.

1 If the denominator of a mean value or per capita value is less than 30, then that value is calculated using a rounded aggregate in the numerator. See text.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-4. Profile of Selected Housing Characteristics: 2000

Geographic area: Wayne town, West Virginia

Total housing units					
	554	100.0	OCCUPANTS PER ROOM		
UNITS IN STRUCTURE			Occupied housing units	495	100.0
1-unit, detached	400	72.2		490	99.0
1-unit, attached	9	1.6	1.01 to 1.50	5	1.0
2 units	24	4.3	1.51 or more	-	-
3 or 4 units	12	2.2	NAME (1988)		
5 to 9 units	23	4.2	Specified owner-occupied units	267	100.0
10 to 19 units	-	-	VALUE	1000000	
20 or more units	-	:=	Less than \$50,000	110	41.2
Mobile home	86	15.5	\$50,000 to \$99,999	113	42.3
Boat, RV, van, etc	-	NE. (E)	\$100,000 to \$149,999	34	12.7
			\$150,000 to \$199,999.	4	1.5
YEAR STRUCTURE BUILT			\$200,000 to \$299,999	4	1.5
1999 to March 2000	2	n 4	\$300,000 to \$499,999.	او	0.7
1995 to 1998	13		\$500,000 to \$999,999.	-	U.,
1990 to 1994	17	S	\$1,000,000 or more	-	1774
1980 to 1989	65		Median (dollars)	55,100	/v\
1970 to 1979	111	20.0	Wedian (dollars)	55,100	(X)
1960 to 1969	98	17.7	MORTGAGE STATUS AND SELECTED		
1940 to 1959			MONTHLY OWNER COSTS		
12.12.12.12.12.12.1	132	23.8		440	40.4
1939 or earlier	116	20.9	With a mortgage	116	43.4
			Less than \$300	. 2	0.7
ROOMS	_		\$300 to \$499	42	15.7
1 room	8	1.4	\$500 to \$699	35	13.1
2 rooms	6	1.1	\$700 to \$999	26	9.7
3 rooms	25	4.5	\$1,000 to \$1,499	7	2.6
4 rooms	145	26.2		2	0.7
5 rooms	146	26.4	\$2,000 or more	2	0.7
6 rooms	92	16.6		578	(X)
7 rooms	62	11.2	Not mortgaged	151	56.6
8 rooms	45	8.1	Median (dollars)	195	(X)
9 or more rooms	25	4.5			
Median (rooms)	5.1	(X)	SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD		
Occupied housing units	495	100.0	INCOME IN 1999	************	
YEAR HOUSEHOLDER MOVED INTO UNIT			Less than 15.0 percent	120	44.9
1999 to March 2000	69	13.9	15.0 to 19.9 percent	29	10.9
1995 to 1998	140	28.3	20.0 to 24.9 percent	40	15.0
1990 to 1994	82	16.6	25.0 to 29.9 percent	19	7.1
1980 to 1989	67	13.5	30.0 to 34.9 percent	14	5.2
1970 to 1979	65	13.1	35.0 percent or more	43	16.1
1969 or earlier	72	14.5	Not computed	2	0.7
		0.000	•		
VEHICLES AVAILABLE			Specified renter-occupied units	167	100.0
None	89	18.0		100,000	3.5.5.5.5
1	223		Less than \$200	12	7.2
2	156	31.5	\$200 to \$299	26	15.6
3 or more	27		\$300 to \$499	84	50.3
o di mole		0.5	\$500 to \$749	19	11.4
HOUSE HEATING FUEL			\$750 to \$999		11.7
Utility gas	353	71 2	\$1,000 to \$1,499	(5)	1.5
			\$1,500 or more		10.75
Bottled, tank, or LP gas				-	45.0
Electricity			No cash rent	26	15.6
Fuel oil, kerosene, etc		1.0	Median (dollars)	366	(X)
Coal or coke		-	CDOCC DENT AC A DEDCENTAGE OF		
Wood	5	1.0			
Solar energy		-	HOUSEHOLD INCOME IN 1999		(0.202 Val)
Other fuel	-	-	Less than 15.0 percent	19	11.4
No fuel used	-	-	15.0 to 19.9 percent	19	11.4
STANDARD CONTROL MANAGEMENT OF MANAGEMENT AND			20.0 to 24.9 percent	12	7.2
SELECTED CHARACTERISTICS			25.0 to 29.9 percent	8	4.8
Lacking complete plumbing facilities			30.0 to 34.9 percent	5	3.0
Lacking complete kitchen facilities			35.0 percent or more	75	44.9
No telephone service	45	9.1	Not computed	29	17.4

⁻Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

CENSUS 2000 TABLES FOR WAYNE COUNTY



Table DP-1. Profile of General Demographic Characteristics: 2000

Geographic area: Wayne County, West Virginia

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population	42,903	100.0			
			Total population	42,903	100.0
SEX AND AGE		10/10/17/20	Hispanic or Latino (of any race)	202	0.5
Male	20,993	48.9	Mexican	70	0.2
Female	21,910	51.1	Puerto Rican	25	0.1
Under 5 years	2,471	5.8	Cuban	5	-
5 to 9 years	2,813	6.6	Other Hispanic or Latino	102	0.2
10 to 14 years	2,904	6.8	Not Hispanic or Latino	42,701	99.5
15 to 19 years	2,993	7.0	White alone	42,210	98.4
20 to 24 years	2,586	6.0		28-13-25-25-25-25	
25 to 34 years	5,665	13.2	RELATIONSHIP		70 2 2 2 1 A
35 to 44 years	6,210	14.5	Total population	42,903	100.0
			In households	42,708	99.5
45 to 54 years	6,190	14.4	Householder	17,239	40.2
55 to 59 years	2,436	5.7	Spouse	10,202	23.8
60 to 64 years	2,224	5.2	Child	12,437	29.0
65 to 74 years	3,670	8.6	Own child under 18 years	9,095	21.2
75 to 84 years	2,164	5.0	Other relatives	1,684	3.9
85 years and over	577	1.3	Under 18 years	663	1.5
Median age (years)	38.4	(X)	Nonrelatives	1,146	2.7
-5- V/		1, 1,	Unmarried partner	545	1.3
18 years and over	32,881	76.6	In group quarters	195	0.5
Male	15,738	36.7	Institutionalized population	69	0.2
Female	17,143	40.0	Noninstitutionalized population	126	0.2
21 years and over	31,174	72.7	Troimiditationalized population	120	0.5
62 years and over	7,737	18.0	HOUSEHOLD BY TYPE		
65 years and over	6,411	14.9	Total households	17,239	100.0
Male	2,749	6.4	Family households (families)	12,648	73.4
Female	3,662	8.5	With own children under 18 years		
	0,002	0.0		5,372	31.2
RACE			Married-couple family	10,202	59.2
One race	42,664	99.4	Formula householder as husband present	4,090	23.7
White	42,382	98.8	Female householder, no husband present	1,854	10.8
Black or African American	54	0.1	With own children under 18 years	997	5.8
American Indian and Alaska Native	99	0.1	Nonfamily households	4,591	26.6
Asian	86	0.2	Householder living alone	4,155	24.1
Asian Indian	22	0.2	Householder 65 years and over	1,916	11.1
	14	0.1	Households with individuals under 18 years	5,862	34.0
Chinese	16	(#.) Valo	Households with individuals 65 years and over	4,727	27.4
Filipino	007.01	-	Tiodscholds with individuals us years and over	4,121	21.4
Japanese	11	4.7	Average household size	2.48	(X)
Korean	8	0 0 0	Average family size	2.92	(X)
Vietnamese	6	1.7	The company of the consequence o	·	· ·/
Other Asian 1	T1		HOUSING OCCUPANCY		
Native Hawaiian and Other Pacific Islander	8	-	Total housing units	19,107	100.0
Native Hawaiian	4	-	Occupied housing units	17,239	90.2
Guamanian or Chamorro	2	-	Vacant housing units	1,868	9.8
Samoan		-	For seasonal, recreational, or	1,000	0.0
Other Pacific Islander 2	2	180	occasional use	227	1.2
Some other race	35	0.1			1.2
Two or more races	239	0.6	Homeowner vacancy rate (percent)	1.5	(X)
Dana alama as la sambla dia a sitta ana			Rental vacancy rate (percent)	7.8	(X)
Race alone or in combination with one				3000E	/
or more other races: 3	40.040	00.0	HOUSING TENURE		
White	42,618	99.3	Occupied housing units	17,239	100.0
Black or African American	100	0.2	Owner-occupied housing units	13,466	78.1
American Indian and Alaska Native	245	0.6	Renter-occupied housing units	3,773	21.9
Asian	125	0.3		5,110	21.0
Native Hawaiian and Other Pacific Islander	11	-	Average household size of owner-occupied units.	2.55	(X)
Some other race	57	0.1	Average household size of renter-occupied units.	2.23	(X)

Source: U.S. Census Bureau, Census 2000.

⁻ Represents zero or rounds to zero. (X) Not applicable.

1 Other Asian alone, or two or more Asian categories.

2 Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.

3 In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Table DP-2. Profile of Selected Social Characteristics: 2000

Geographic area: Wayne County, West Virginia

Subject	Number	Percent	Subject	Number	Percent
SCHOOL ENROLLMENT			NATIVITY AND PLACE OF BIRTH	2000 1 100 100 100 100	
Population 3 years and over			Total population	42,903	100.0
enrolled in school	9,488	100.0	Native	42,654	99.4
Nursery school, preschool	418	4.4	Born in United States	42,544	99.2
Kindergarten	562	5.9	State of residence	33,369	77.8
Elementary school (grades 1-8)	4,814	50.7	Different state	9,175	21.4
High school (grades 9-12)	2,261	23.8	Born outside United States	110	0.3
	1,433	15.1	병생님 선생님에 지금 위험 선생님들은 그림이 생명하면 하지만 그렇지만 이 사이를 보았다면 그렇지만 그렇지만 그렇게 하는데 되었다.	249	0.6
College or graduate school	1,433	13.1		94	
EDUCATIONAL ATTAINMENT			Entered 1990 to March 2000		0.2
EDUCATIONAL ATTAINMENT	00.000	400.0	Naturalized citizen	95	0.2
Population 25 years and over	29,223	100.0	Not a citizen	154	0.4
Less than 9th grade	3,481	11.9	REGION OF BIRTH OF FOREIGN BORN		
9th to 12th grade, no diploma	5,128	17.5		249	100.0
High school graduate (includes equivalency)	11,242	38.5	Total (excluding born at sea)		
Some college, no degree	4,707	16.1	Europe	113	45.4
Associate degree	1,200	4.1	Asia	74	29.7
Bachelor's degree	2,100	7.2	Africa	31	12.4
Graduate or professional degree	1,365	4.7	Oceania	-	-
oracidio or professional degree (11111111111111111111111111111111111	.,		Latin America	31	12.4
Percent high school graduate or higher	70.5	(X)	Northern America	-	-
Percent bachelor's degree or higher	11.9	(X)			
1			LANGUAGE SPOKEN AT HOME		
MARITAL STATUS		-	Population 5 years and over	40,413	100.0
Population 15 years and over	34,715	100.0	English only	39,805	98.5
Never married	6,417	18.5	Language other than English	608	1.5
		62.1	Speak English less than "very well"	224	0.6
Now married, except separated	21,543	X325 NASS	Spanish	309	0.8
Separated	490	1.4	Speak English less than "very well"	103	0.3
Widowed	2,872	8.3	Other Indo-European languages	202	0.5
Female	2,306	6.6		7	
Divorced	3,393	9.8	Speak English less than "very well"	92	0.2
Female	1,972	5.7	Asian and Pacific Island languages	77	0.2
			Speak English less than "very well"	26	0.1
GRANDPARENTS AS CAREGIVERS			ANCESTRY (single or multiple)		
Grandparent living in household with		1		42.002	400.0
one or more own grandchildren under			Total population	42,903	100.0
18 years	773	100.0	Total ancestries reported	28,416	66.2
Grandparent responsible for grandchildren	472	61.1	Arab	17	-
Grandparoni rosponolizio ioi grandonii are			Czech ¹	21	-
VETERAN STATUS		ŀ	Danish	12	-
Civilian population 18 years and over	32,905	100.0	Dutch		4.0
	4,531			501	1.2
Civilian veterans		1 12 0	English	501 4,067	9.5
	-1,001	13.8			9.5
DIGARUITA GTATUS OF THE SHALLAN	4,001	13.8	French (except Basque) ¹	4,067 381	9.5 0.9
DISABILITY STATUS OF THE CIVILIAN	4,001	13.8	French (except Basque) ¹ French Canadian ¹	4,067 381 62	9.5 0.9 0.1
NONINSTITUTIONALIZED POPULATION			French (except Basque) ¹ French Canadian ¹ German	4,067 381 62 2,741	9.5 0.9 0.1 6.4
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278	100.0	French (except Basque)¹	4,067 381 62 2,741 31	9.5 0.9 0.1 6.4 0.1
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years			French (except Basque)¹	4,067 381 62 2,741 31 32	9.5 0.9 0.1 6.4 0.1 0.1
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186	100.0 12.8	French (except Basque) ¹ French Canadian ¹ German Greek Hungarian Irish ¹	4,067 381 62 2,741 31 32 3,481	9.5 0.9 0.1 6.4 0.1 0.1 8.1
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698	100.0 12.8 100.0	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian	4,067 381 62 2,741 31 32 3,481 430	9.5 0.9 0.1 6.4 0.1 0.1
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698 7,720	100.0 12.8 100.0 31.3	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian	4,067 381 62 2,741 31 32 3,481 430	9.5 0.9 0.1 6.4 0.1 0.1 8.1
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698 7,720 38.1	100.0 12.8 100.0 31.3 (X)	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian	4,067 381 62 2,741 31 32 3,481 430	9.5 0.9 0.1 6.4 0.1 0.1 8.1
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698 7,720 38.1 16,978	100.0 12.8 100.0 31.3 (X) 68.7	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish	4,067 381 62 2,741 31 32 3,481 430	9.5 0.9 0.1 6.4 0.1 0.1 8.1
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698 7,720 38.1	100.0 12.8 100.0 31.3 (X)	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish	4,067 381 62 2,741 31 32 3,481 430 14	9.5 0.9 0.1 6.4 0.1 0.1 8.1 1.0
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698 7,720 38.1 16,978 69.4	100.0 12.8 100.0 31.3 (X) 68.7 (X)	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese	4,067 381 62 2,741 31 32 3,481 430 14 74	9.5 0.9 0.1 6.4 0.1 0.1 8.1 1.0 - 0.2 0.4
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698 7,720 38.1 16,978 69.4 6,354	100.0 12.8 100.0 31.3 (X) 68.7 (X)	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian	4,067 381 62 2,741 31 32 3,481 430 14 74 170 2	9.5 0.9 0.1 6.4 0.1 0.1 8.1 1.0 0.2 0.4
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698 7,720 38.1 16,978 69.4	100.0 12.8 100.0 31.3 (X) 68.7 (X)	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish	4,067 381 62 2,741 31 32 3,481 430 14 74 170 2 54	9.5 0.9 0.1 6.4 0.1 0.1 8.1 1.0 0.2 0.4 - 0.1 2.3
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698 7,720 38.1 16,978 69.4 6,354	100.0 12.8 100.0 31.3 (X) 68.7 (X)	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottish	4,067 381 62 2,741 31 32 3,481 430 14 74 170 2	9.5 0.9 0.1 6.4 0.1 0.1 8.1 1.0 0.2 0.4
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698 7,720 38.1 16,978 69.4 6,354 3,450	100.0 12.8 100.0 31.3 (X) 68.7 (X) 100.0 54.3	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottish Slovak	4,067 381 62 2,741 31 32 3,481 430 14 74 170 2 54 998 488	9.5 0.9 0.1 6.4 0.1 0.1 8.1 1.0 0.2 0.4 - 0.1 2.3
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698 7,720 38.1 16,978 69.4 6,354 3,450	100.0 12.8 100.0 31.3 (X) 68.7 (X) 100.0 54.3	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African	4,067 381 62 2,741 31 32 3,481 430 14 74 170 2 54 998 488	9.5 0.9 0.1 6.4 0.1 0.1 1.0 - 0.2 0.4 - 0.1 2.3 1.1
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	9,278 1,186 24,698 7,720 38.1 16,978 69.4 6,354 3,450 40,413 27,027	100.0 12.8 100.0 31.3 (X) 68.7 (X) 100.0 54.3	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African Swedish	4,067 381 62 2,741 31 32 3,481 430 14 74 170 2 54 998 488	9.5 0.9 0.1 6.4 0.1 0.1 8.1 1.0 0.2 0.4 - 0.1 2.3
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over. With a disability RESIDENCE IN 1995 Population 5 years and over. Same house in 1995. Different house in the U.S. in 1995.	9,278 1,186 24,698 7,720 38.1 16,978 69.4 6,354 3,450 40,413 27,027 13,175	100.0 12.8 100.0 31.3 (X) 68.7 (X) 100.0 54.3	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African Swedish Swiss	4,067 381 62 2,741 31 32 3,481 430 14 74 170 2 54 998 488 - 9	9.5 0.9 0.1 6.4 0.1 0.1 1.0 - 0.2 0.4 - 0.1 2.3 1.1
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995 Different house in the U.S. in 1995 Same county	9,278 1,186 24,698 7,720 38.1 16,978 69.4 6,354 3,450 40,413 27,027 13,175 7,560	100.0 12.8 100.0 31.3 (X) 68.7 (X) 100.0 54.3 100.0 66.9 32.6 18.7	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African Swedish Swiss Ukrainian	4,067 381 62 2,741 31 32 3,481 430 14 74 170 2 54 998 488	9.5 0.9 0.1 6.4 0.1 0.1 1.0 - 0.2 0.4 - 0.1 2.3 1.1
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995 Different house in the U.S. in 1995 Same county Different county	9,278 1,186 24,698 7,720 38.1 16,978 69.4 6,354 3,450 40,413 27,027 13,175 7,560 5,615	100.0 12.8 100.0 31.3 (X) 68.7 (X) 100.0 54.3	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African Swedish Swiss	4,067 381 62 2,741 31 32 3,481 430 14 74 170 2 54 998 488 - 9	9.5 0.9 0.1 6.4 0.1 0.1 1.0 - 0.2 0.4 - 0.1 2.3 1.1
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995 Different house in the U.S. in 1995 Same county	9,278 1,186 24,698 7,720 38.1 16,978 69.4 6,354 3,450 40,413 27,027 13,175 7,560	100.0 12.8 100.0 31.3 (X) 68.7 (X) 100.0 54.3 100.0 66.9 32.6 18.7	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African Swedish Swiss Ukrainian United States or American Welsh	4,067 381 62 2,741 31 32 3,481 430 14 74 170 2 54 998 488 - 9	9.5 0.9 0.1 6.4 0.1 0.1 8.1 1.0 0.2 0.4 - 0.1 2.3 1.1 -
NONINSTITUTIONALIZED POPULATION Population 5 to 20 years With a disability Population 21 to 64 years With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995 Different house in the U.S. in 1995 Same county Different county	9,278 1,186 24,698 7,720 38.1 16,978 69.4 6,354 3,450 40,413 27,027 13,175 7,560 5,615	100.0 12.8 100.0 31.3 (X) 68.7 (X) 100.0 54.3 100.0 66.9 32.6 18.7 13.9	French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African Swedish Swiss Ukrainian United States or American	4,067 381 62 2,741 31 32 3,481 430 14 74 170 2 54 998 488 9 103 5	9.5 0.9 0.1 6.4 0.1 0.1 1.0 - 0.2 0.4 2.3 1.1 - 0.2 25.1

⁻Represents zero or rounds to zero. (X) Not applicable.

¹The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-3. Profile of Selected Economic Characteristics: 2000

Geographic area: Wayne County, West Virginia

Subject	Number	Percent	Subject	Number	Percent
EMPLOYMENT STATUS			INCOME IN 1999		
Population 16 years and over	34,105	100.0	Households	17,244	100.0
In labor force	17,339	50.8	Less than \$10,000.	2,979	17.3
Civilian labor force	17,330	50.8	\$10,000 to \$14,999.	1,926	11.2
Employed	16.184			500 T 100 T	17.6
	1,146		\$25,000 to \$34,999	3,034	
Unemployed		3.4		2,546	14.8
Percent of civilian labor force	6.6	(X)	\$35,000 to \$49,999	2,593	15.0
Armed Forces	9	-	\$50,000 to \$74,999	2,628	15.2
Not in labor force	16,766	49.2		899	5.2
Females 16 years and over	17,716	100.0	\$100,000 to \$149,999	406	2.4
In labor force	8,004	45.2	\$150,000 to \$199,999	135	8.0
Civilian labor force	7,999	45.2	\$200,000 or more	98	0.6
Employed	7,509	42.4	Median household income (dollars)	27,352	(X)
(A) 5	521		LACIL		
Own children under 6 years	2,887	100.0	With earnings	11,435	66.3
All parents in family in labor force	1,498	51.9	Mean earnings (dollars) ¹	40,935	(X)
COMMUTING TO WORK			With Social Security income	6,082	35.3
COMMUTING TO WORK	4= 0=4		Mean Social Security income (dollars) ¹	10,970	(X)
Workers 16 years and over	15,851	100.0	With Supplemental Security Income	1,813	10.5
Car, truck, or van drove alone	13,504	85.2	Mean Supplemental Security Income		
Car, truck, or van carpooled	1,543	9.7	(dollars) ¹	6,230	(X)
Public transportation (including taxicab)	73	0.5	With public assistance income	963	5.6
Walked	312	2.0	Mean public assistance income (dollars) ¹	1,774	(X)
Other means	92	0.6	With retirement income	3,416	19.8
Worked at home	327	2.1	Mean retirement income (dollars) ¹	15,340	(X)
Mean travel time to work (minutes) ¹	28.3	(X)	50 50		(
			Families	12,719	100.0
Employed civilian population	2000000 0000000000	NO. DAMAGE ALTER	Less than \$10,000	1,366	10.7
16 years and over	16,184	100.0	\$10,000 to \$14,999	1,098	8.6
OCCUPATION			\$15,000 to \$24,999	2,312	18.2
Management, professional, and related			\$25,000 to \$34,999	1,956	15.4
occupations	4,044	25.0	\$35,000 to \$49,999	2,179	17.1
Service occupations	2,328	14.4	\$50,000 to \$74,999	2,336	18.4
Sales and office occupations	4,617	28.5	\$75,000 to \$99,999	883	6.9
Farming, fishing, and forestry occupations	61		\$100,000 to \$149,999	365	2.9
Construction, extraction, and maintenance		7.10	\$150,000 to \$199,999	126	1.0
occupations	1,962	12.1	\$200,000 or more	98	8.0
Production, transportation, and material moving	140.00	0	Median family income (dollars)	32,458	(X)
occupations	3,172	19.6	wedicit family income (dollars)	32,430	(1)
		Andreas and a second	Per capita income (dollars) ¹	14,906	(X)
INDUSTRY			Median earnings (dollars):	555 % 8 (3	*****
Agriculture, forestry, fishing and hunting,			Male full-time, year-round workers	31,554	(X)
and mining	443	2.7	Female full-time, year-round workers	20,720	(X)
Construction	1,022	6.3	Tomalo fall limo, your found fromoto	20,120	(24)
Manufacturing	2,174	13.4		Number	Percent
Wholesale trade	546	3.4		below	below
	2,293	14.2		poverty	poverty
Retail trade	100000000000000000000000000000000000000		Subject	level	level
Transportation and warehousing, and utilities	1,541	9.5	,		
Information	364	2.2			
Finance, insurance, real estate, and rental and	2000	2.2	POVERTY STATUS IN 1999		
leasing	657	4.1	Families	2,064	16.2
Professional, scientific, management, adminis-			With related children under 18 years	1,324	22.4
trative, and waste management services	1,003	6.2	With related children under 5 years	462	22.1
Educational, health and social services	3,829	23.7	ANNINO MININO MANONE CONTROL CONTROL AND ANNINO MANONE AND		
Arts, entertainment, recreation, accommodation			Families with female householder, no		
and food services	982	6.1	husband present	698	38.6
Other services (except public administration)	647	4.0	With related children under 18 years	571	51.3
Public administration	683	4.2	With related children under 5 years	181	58.4
	960906880	2010/07/20			
CLASS OF WORKER			Individuals	8,345	19.6
Private wage and salary workers	12,489	77.2	18 years and over	5,783	17.6
Government workers	2,893	17.9		965	15.2
Self-employed workers in own not incorporated	_,555		Related children under 18 years	2,481	25.5
business	757	4.7		1,934	26.5
Unpaid family workers	45		Unrelated individuals 15 years and over	1,875	34.7
Supera falling fromoto	70	0.0	omorated marviduals to years and over	1,070	34.7

⁻Represents zero or rounds to zero. (X) Not applicable.

If the denominator of a mean value or per capita value is less than 30, then that value is calculated using a rounded aggregate in the numerator.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-4. Profile of Selected Housing Characteristics: 2000

Geographic area: Wayne County, West Virginia

Subject	Number	Percent	Subject	Number	Percent
Total housing units	19,107	100.0	OCCUPANTS PER ROOM		
UNITS IN STRUCTURE			Occupied housing units	17,239	100.0
1-unit, detached	13,664	71.5	1.00 or less	17.044	98.9
1-unit, attached	195	1.0	1.01 to 1.50	151	0.9
2 units	291	1.5	R .	44	0.3
3 or 4 units	216	1.1		2,20	545
5 to 9 units	289	1.5	Specified owner-occupied units	8,915	100.0
10 to 19 units	192	237(25)	VALUE	-1	
20 or more units	321	1.7	Less than \$50,000	2,281	25.6
Mobile home	3,924		\$50,000 to \$99,999	4,928	55.3
Boat, RV, van, etc	15		\$100,000 to \$149,999.	1,164	13.1
,,,		100,4146	\$150,000 to \$199,999	325	3.6
YEAR STRUCTURE BUILT	14		\$200,000 to \$299,999	151	1.7
1999 to March 2000	375	2.0	\$300,000 to \$499,999	55	0.6
1995 to 1998	1,475		\$500,000 to \$999,999	11	0.1
1990 to 1994	1,404		\$1,000,000 or more	-	-
1980 to 1989	2,979	15.6	Median (dollars)	70,900	(X)
1970 to 1979	3,889	20.4	, , , , , , , , , , , , , , , , , , , ,	,	N- 14
1960 to 1969	2,765	14.5	MORTGAGE STATUS AND SELECTED		
1940 to 1959	3,709	19.4	MONTHLY OWNER COSTS		
1939 or earlier	2,511		With a mortgage	4.457	50.0
		0.724.8	Less than \$300	86	1.0
ROOMS			\$300 to \$499	755	8.5
1 room	74	0.4	\$500 to \$699	1,541	17.3
2 rooms	188	1.0	\$700 to \$999	1,394	15.6
3 rooms	1,010	5.3	\$1,000 to \$1,499	499	5.6
4 rooms	3,289	17.2	\$1,500 to \$1,999	111	1.2
5 rooms	5,002	26.2	\$2,000 or more	71	8.0
6 rooms	4,241	22.2	Median (dollars)	680	(X)
7 rooms	2,518	13.2	Not mortgaged	4,458	50.0
8 rooms	1,582	8.3	Median (dollars)	200	(X)
9 or more rooms	1,203	6.3			
Median (rooms)	5.5	(X)	SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD		
Occupied housing units	17,239	100.0			
YEAR HOUSEHOLDER MOVED INTO UNIT			Less than 15.0 percent	4,559	51.1
1999 to March 2000	2,303		15.0 to 19.9 percent	1,399	15.7
1995 to 1998	4,393		20.0 to 24.9 percent	849	9.5
1990 to 1994	2,763		25.0 to 29.9 percent	523	5.9
1980 to 1989	2,884		30.0 to 34.9 percent	314	3.5
1970 to 1979	2,270		35.0 percent or more	1,183	13.3
1969 or earlier	2,626	15.2	Not computed	88	1.0
VEHICLES AVAILABLE			Specified renter-occupied units	3,586	100.0
None	1,902	11.0	GROSS RENT		
1	6,361	36.9	Less than \$200	383	10.7
2	6,605	38.3	\$200 to \$299	389	10.8
3 or more	2,371	13.8	\$300 to \$499	1,572	43.8
2004 (Sept. 1904) (Sept. 1904) Sept. 1904 (Sept. 1904)	X 400000 10	180-61-02	\$500 to \$749	525	14.6
HOUSE HEATING FUEL			\$750 to \$999	48	1.3
Utility gas	9,063	52.6	\$1,000 to \$1,499	5	0.1
Bottled, tank, or LP gas	778	4.5	\$1,500 or more	-	74
Electricity	6,566		No cash rent	664	18.5
Fuel oil, kerosene, etc	139	0.8	Median (dollars)	382	(X)
Coal or coke	146	0.8			
Wood	535	3.1	GROSS RENT AS A PERCENTAGE OF		
Solar energy	<u>u</u>	<u> </u>	HOUSEHOLD INCOME IN 1999		
Other fuel	12	0.1	Less than 15.0 percent	630	17.6
No fuel used	-		15.0 to 19.9 percent	393	11.0
OF FOUR OUT DA OT FRICTION			20.0 to 24.9 percent	260	7.3
SELECTED CHARACTERISTICS		1020020	25.0 to 29.9 percent	385	10.7
Lacking complete plumbing facilities	241		30.0 to 34.9 percent	171	4.8
Lacking complete kitchen facilities	135		35.0 percent or more	992 755	27.7
No telephone service	1,092	0.3	Not computed	755	21.1

⁻Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

CENSUS 2000 TABLES FOR STATE OF WEST VIRGINIA



Table DP-1. Profile of General Demographic Characteristics: 2000

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population	1,808,344	100.0	HISPANIC OR LATINO AND RACE		
OFW AND A OF			Total population	1,808,344	100.0
SEX AND AGE			Hispanic or Latino (of any race)	12,279	0.7
Male	879,170	48.6	Mexican	4,347	0.2
Female	929,174	51.4	Puerto Rican	1,609	0.1
Under 5 years	101,805	5.6	Cuban	453	-
5 to 9 years	111,150	6.1	Other Hispanic or Latino	5,870	0.3
10 to 14 years	116,182	6.4	Not Hispanic or Latino	1,796,065	99.3
15 to 19 years	125,578	6.9	White alone	1,709,966	94.6
20 to 24 years	120,109	6.6	RELATIONSHIP		
25 to 34 years	229,094	12.7		4 000 044	400.0
35 to 44 years	272,249	15.1	Total population	1,808,344	100.0
45 to 54 years	270,466	15.0	In households	1,765,197	97.6
55 to 59 years	98,916	5.5	Householder	736,481	40.7
60 to 64 years	85,900	4.8	Spouse	397,499	22.0
65 to 74 years	148,463	8.2	Child	491,697	27.2
75 to 84 years	96,653	5.3	Own child under 18 years	363,929	20.1
85 years and over	31,779	1.8	Other relatives	68,787	3.8
HONOR SILVER NO SOCI			Under 18 years	28,216	1.6
Median age (years)	38.9	(X)	Nonrelatives	70,733	3.9
18 years and over	1,405,951	77.7	Unmarried partner	34,755	1.9
Male	672,385	37.2	In group quarters	43,147	2.4
Female	733.566	40.6	Institutionalized population	24,009	1.3
21 years and over	1,326,880	73.4	Noninstitutionalized population	19,138	1.1
62 years and over	327,270	18.1			
65 years and over	276.895	15.3	HOUSEHOLD BY TYPE		
Male	112,538		Total households	736,481	100.0
Female	164,357	6.2 9.1	Family households (families)	504,055	68.4
· cinalo.	104,337	3.1	With own children under 18 years	213,072	28.9
RACE			Married-couple family	397,499	54.0
One race	1,792,556	99.1	With own children under 18 years	156,927	21.3
White	1,718,777	95.0	Female householder, no husband present	79,120	10.7
Black or African American	57,232	3.2	With own children under 18 years	42,304	5.7
American Indian and Alaska Native	3,606	0.2	Nonfamily households	232,426	31.6
Asian	9,434	0.5	Householder living alone	199,587	27.1
Asian Indian	2,856	0.2	Householder 65 years and over	87,568	11.9
Chinese	1,878	0.2	Households with individuals under 18 years	233,906	31.8
Filipino	1,495	0.1	Households with individuals 65 years and over	201,399	27.3
Japanese	887	0.1		201,000	21.0
Korean	857	_	Average household size	2.40	(X)
Vietnamese	379	_	Average family size	2.90	(X)
Other Asian ¹	1.082	0.1		1	1000
Native Hawaiian and Other Pacific Islander	400	0.1	HOUSING OCCUPANCY		
Native Hawaiian	111		Total housing units	844,623	100.0
Guamanian or Chamorro	87	=	Occupied housing units	736,481	87.2
Samoan	79		Vacant housing units	108,142	12.8
Other Pacific Islander 2	123	-	For seasonal, recreational, or	20/20/20/20/20/20/20/20/20/20/20/20/20/2	
Some other race	3,107	0.2	occasional use	32,757	3.9
Two or more races	15,788		Homoowner veces over to (server)		20
	10,700	0.9	Homeowner vacancy rate (percent)	2.2	(X)
Race alone or in combination with one			Rental vacancy rate (percent)	9.1	(X)
or more other races: 3			HOUSING TENURE		
White	1,733,390	95.9	Occupied housing units	720 404	400.0
Black or African American	62,817	3.5	Owner-occupied housing units	736,481	100.0
American Indian and Alaska Native	10,644	0.6	Renter-occupied housing units	553,699	75.2
Asian	11,873	0.7	remer-occupied flousing utilis	182,782	24.8
Native Hawaiian and Other Pacific Islander	887		Average household size of owner-occupied units.	2.47	(X)
Some other race	5,579	0.2	Average household size of renter-occupied units.	2.17	(X)

Source: U.S. Census Bureau, Census 2000.

Represents zero or rounds to zero. (X) Not applicable.
 Other Asian alone, or two or more Asian categories.
 Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.
 In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Table DP-2. Profile of Selected Social Characteristics: 2000

Subject	Number	Percent	Subject	Number	Percent
SCHOOL ENROLLMENT		355	NATIVITY AND PLACE OF BIRTH		***************************************
Population 3 years and over			Total population	1,808,344	100.0
enrolled in school	418,553	100.0	Native	1,788,954	98.9
Nursery school, preschool	22,008	5.3	Born in United States	1,782,125	98.6
Kindergarten	22,820	5.5	State of residence	1,342,589	74.2
Elementary school (grades 1-8)	186,967	44.7	Different state	439,536	24.3
High school (grades 9-12)	94,429	22.6	Born outside United States	6,829	0.4
College or graduate school	92,329	22.1	Foreign born	19,390	1.1
			Entered 1990 to March 2000	6,916	0.4
EDUCATIONAL ATTAINMENT	511/510/54A 17/452A	200000000	Naturalized citizen	10,446	0.6
Population 25 years and over	1,233,581	100.0	Not a citizen	8,944	0.5
Less than 9th grade	123,622	10.0	REGION OF BIRTH OF FOREIGN BORN		
9th to 12th grade, no diploma	182,192	17.0		40 200	400.0
High school graduate (includes equivalency)	486,334	39.4	Total (excluding born at sea)	19,390	100.0
Some college, no degree	205,025	16.6	Europe	6,694	34.5
Associate degree	53,448	4.3	Asia	8,385	43.2
Bachelor's degree	109,651	8.9	Africa	664	3.4
Graduate or professional degree	73,309	5.9	OceaniaLatin America	158	0.8
Percent high school graduate or higher	75.2	(X)	Northern America	2,411	12.4 5.6
Percent bachelor's degree or higher	14.8	(X)	Northern America	1,078	0.0
r stoom bashelor o dogree or riighter	17.0	(24)	LANGUAGE SPOKEN AT HOME		
MARITAL STATUS			Population 5 years and over	1,706,931	100.0
Population 15 years and over	1,479,301	100.0	English only	1,661,036	97.3
Never married	327,275	22.1	Language other than English	45,895	2.7
Now married, except separated	846,400	57.2	Speak English less than "very well"	13,550	0.8
Separated	21,707	1.5	Spanish	17,652	1.0
Widowed	129,556	8.8	Speak English less than "very well"	5,728	0.3
Female	106,709	7.2	Other Indo-European languages	19,491	1.1
Divorced	154,363	10.4	Speak English less than "very well"	4,970	0.3
Female	82,704	5.6	Asian and Pacific Island languages	6,038	0.4
			Speak English less than "very well"	2,249	0.1
GRANDPARENTS AS CAREGIVERS			ANOFOTOV (-in-ula it' - i -)	20	
Grandparent living in household with			ANCESTRY (single or multiple)	4 000 044	400.0
one or more own grandchildren under			Total population	1,808,344	100.0
18 years	30,833	100.0	Total ancestries reported	1,468,395	81.2
Grandparent responsible for grandchildren	16,151	52.4	Czech ¹	5,497 4,319	0.3 0.2
			Danish	1,317	0.2
VETERAN STATUS			Dutch	37,837	2.1
Civilian population 18 years and over	1,404,936	100.0	English	176,297	9.7
Civilian veterans	201,701	14.4	French (except Basque) ¹	25,183	1.4
DICADULTY CTATILO OF THE COMMISS.			French Canadian ¹	2,824	0.2
DISABILITY STATUS OF THE CIVILIAN			German	253,388	14.0
NONINSTITUTIONALIZED POPULATION	276 076	4000	Greek	4,372	0.2
Population 5 to 20 years	376,876	100.0	Hungarian	7,477	0.4
With a disability	34,350	9.1	Irish ¹	198,473	11.0
Population 21 to 64 years	1,038,716	100.0	Italian	69,935	3.9
With a disability	247,261	23.8	Lithuanian	1,660	0.1
Percent employed	40.4	(X)	Norwegian	3,855	0.2
No disability	791,455	76.2	Polish	28,500	1.6
No disability	791,455 71.5	(X)	Portuguese	28,500 550	1.0
No disability			Portuguese	2010 CO. B. C.	0.2
No disability	71.5	(X)	Portuguese	550	-
No disability Percent employed Population 65 years and over With a disability	71.5 265,759	(X) 100.0	Portuguese Russian Scotch-Irish Scottish	550 4,436	0.2
No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995	71.5 265,759 129,170	(X) 100.0 48.6	Portuguese Russian Scotch-Irish Scottish Slovak	550 4,436 37,394 28,139 4,451	0.2 2.1 1.6 0.2
No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over	71.5 265,759 129,170 1,706,931	(X) 100.0 48.6 100.0	Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African	550 4,436 37,394 28,139	0.2 2.1 1.6
No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995.	71.5 265,759 129,170 1,706,931 1,081,045	(X) 100.0 48.6 100.0 63.3	Portuguese Russian Scottch-Irish Scottish Slovak Subsaharan African. Swedish	550 4,436 37,394 28,139 4,451 2,901 5,351	0.2 2.1 1.6 0.2 0.2 0.3
No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995.	71.5 265,759 129,170 1,706,931 1,081,045 617,552	(X) 100.0 48.6 100.0 63.3 36.2	Portuguese Russian Scotch-Irish Scottish Slovak Slovak Subsaharan African Swedish Swiss	550 4,436 37,394 28,139 4,451 2,901 5,351 2,884	0.2 2.1 1.6 0.2 0.2 0.3 0.2
No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995 Same county	71.5 265,759 129,170 1,706,931 1,081,045 617,552 358,912	(X) 100.0 48.6 100.0 63.3 36.2 21.0	Portuguese Russian Scotch-Irish Scottish Slovak Slovak Subsaharan African Swedish Swiss Ukrainian	550 4,436 37,394 28,139 4,451 2,901 5,351 2,884 1,808	0.2 2.1 1.6 0.2 0.2 0.3 0.2
No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995 Same county Different county	71.5 265,759 129,170 1,706,931 1,081,045 617,552 358,912 258,640	(X) 100.0 48.6 100.0 63.3 36.2 21.0 15.2	Portuguese Russian Scotch-Irish Scottish Slovak Slovak Subsaharan African. Swedish Swiss Ukrainian United States or American.	550 4,436 37,394 28,139 4,451 2,901 5,351 2,884 1,808 340,519	0.2 2.1 1.6 0.2 0.2 0.3 0.2 0.1 18.8
No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995 Same county Different county Same state	71.5 265,759 129,170 1,706,931 1,081,045 617,552 358,912 258,640 120,153	(X) 100.0 48.6 100.0 63.3 36.2 21.0 15.2 7.0	Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African Swedish Swiss Ukrainian United States or American Welsh	550 4,436 37,394 28,139 4,451 2,901 5,351 2,884 1,808 340,519 12,138	0.2 2.1 1.6 0.2 0.2 0.3 0.2 0.1 18.8 0.7
No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995 Same county Different county	71.5 265,759 129,170 1,706,931 1,081,045 617,552 358,912 258,640	(X) 100.0 48.6 100.0 63.3 36.2 21.0 15.2 7.0 8.1	Portuguese Russian Scotch-Irish Scottish Slovak Slovak Subsaharan African. Swedish Swiss Ukrainian United States or American.	550 4,436 37,394 28,139 4,451 2,901 5,351 2,884 1,808 340,519	0.2 2.1 1.6 0.2 0.2 0.3 0.2 0.1 18.8

⁻Represents zero or rounds to zero. (X) Not applicable.

¹The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-3. Profile of Selected Economic Characteristics: 2000

Subject	Number	Percent	Subject	Number	Percent
EMPLOYMENT STATUS			INCOME IN 1999		
Population 16 years and over	1,455,101	100.0	Households	737,360	100.0
In labor force	792,344	54.5	Less than \$10,000	113,931	15.5
Civilian labor force	790,694	54.3	\$10,000 to \$14,999	73,514	10.0
Employed	732,673	50.4	\$15,000 to \$24,999	128,448	17.4
Unemployed	58,021		\$25,000 to \$34,999	107,192	14.5
Percent of civilian labor force	7.3	(X)	\$35,000 to \$49,999	121,089	16.4
Armed Forces	1,650	0.1	\$50,000 to \$74,999	111,446	15.1
Not in labor force	662,757	45.5	\$75,000 to \$99,999	44,643	6.1
Females 46 years and aver		100.0	\$100,000 to \$149,999	24,185	3.3
Females 16 years and over	757,134		\$150,000 to \$199,999	5,632	0.8
In labor force	360,400	47.6	\$200,000 or more	7,280	1.0
Civilian labor force	360,165	47.6	Median household income (dollars)	29,696	(X)
Employed	336,384	44.4	The state of the second	20,000	(21)
Own children under 6 years	118,161	100.0	With earnings	520,246	70.6
All parents in family in labor force	64,028	54.2	Mean earnings (dollars) ¹	41,287	(X)
COLUMNIA TO WORK	8		With Social Security income	249,895	33.9
COMMUTING TO WORK	212 122		Mean Social Security income (dollars) ¹	10,931	(X)
Workers 16 years and over	718,106	100.0	With Supplemental Security Income	50,619	6.9
Car, truck, or van drove alone	576,360	80.3	Mean Supplemental Security Income	55	
Car, truck, or van carpooled	91,133	12.7	(dollars) ¹	5,974	(X)
Public transportation (including taxicab)	5,714	8.0	With public assistance income	29,693	4.0
Walked	21,059	2.9	Mean public assistance income (dollars) ¹	2,019	(X)
Other means	6,417	0.9	With retirement income	162,008	22.0
Worked at home	17,423	2.4	Mean retirement income (dollars)1	14,826	(X)
Mean travel time to work (minutes) ¹	26.2	(X)		92 BANGSCHAR	
F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2.3	Families	507,255	100.0
Employed civilian population	700 070	400.0	Less than \$10,000	46,904	9.2
16 years and over	732,673	100.0	\$10,000 to \$14,999	36,209	7.1
OCCUPATION			\$15,000 to \$24,999	80,620	15.9
Management, professional, and related			\$25,000 to \$34,999	78,312	15.4
occupations	204,370	27.9	\$35,000 to \$49,999	97,246	19.2
Service occupations	121,293		\$50,000 to \$74,999	95,497	18.8
Sales and office occupations	191,079		\$75,000 to \$99,999	40,165	7.9
Farming, fishing, and forestry occupations	5,362	0.7	\$100,000 to \$149,999	21,413	4.2
Construction, extraction, and maintenance		10/01/01	\$150,000 to \$199,999	4,887	1.0
occupations	90,332	12.3	\$200,000 or more	6,002	1.2
Production, transportation, and material moving		0.000	Median family income (dollars)	36,484	(X)
occupations	120,237	16.4	Des seulle income (delle-1)	40 477	~~
NIDUCTOV			Per capita income (dollars) ¹	16,477	(X)
INDUSTRY			Median earnings (dollars):	04 000	~~
Agriculture, forestry, fishing and hunting,	00.045	2.2	Male full-time, year-round workers	31,299	(X)
and mining	29,945	4.1	Female full-time, year-round workers	21,154	(X)
Construction	51,512	7.0		Number	Percent
Manufacturing	87,147	11.9		below	below
Wholesale trade	20,289	2.8		poverty	poverty
Retail trade	95,891	13.1	Subject	level	level
Transportation and warehousing, and utilities	43,946	6.0	000,000	16 461	10,461
Information	15,916	2.2	2001 1000 CONTROL OF C		
Finance, insurance, real estate, and rental and	00.400		POVERTY STATUS IN 1999		
leasing	33,408	4.6	Families	70,448	13.9
Professional, scientific, management, adminis-			With related children under 18 years	49,937	21.4
trative, and waste management services	49,188	6.7	With related children under 5 years	21,219	25.7
Educational, health and social services	168,299	23.0		,	
Arts, entertainment, recreation, accommodation		9 <u>0</u> 000	Families with female householder, no		
and food services	58,260	8.0	husband present	27,193	35.5
Other services (except public administration)	36,421	5.0	With related children under 18 years	22,892	48.8
Public administration	42,451	5.8	With related children under 5 years	9,355	62.8
OLAGO OF WORKER					
CLASS OF WORKER		10000	Individuals	315,794	17.9
Private wage and salary workers	555,133	75.8		219,698	16.0
Government workers	131,326	17.9	65 years and over	31,555	11.9
Self-employed workers in own not incorporated			Related children under 18 years	93,848	23.9
business	43,225	5.9	Related children 5 to 17 years	66,857	22.9
Unpaid family workers	2,989	0.4	Unrelated individuals 15 years and over	95,757	32.5

⁻Represents zero or rounds to zero. (X) Not applicable.

1If the denominator of a mean value or per capita value is less than 30, then that value is calculated using a rounded aggregate in the numerator. See text.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-4. Profile of Selected Housing Characteristics: 2000

Subject	Number	Percent	Subject	Number	Percent
Total housing units	844,623	100.0	OCCUPANTS PER ROOM		
UNITS IN STRUCTURE	\$14.00\max.\$276.000.00	0.0000000000000000000000000000000000000	Occupied housing units	736,481	100.0
1-unit, detached	583,695	69.1		726,684	98.7
1-unit, attached	13,209	1.6	I to the second of the second	7,871	1.1
2 units	22,084	2.6		1,926	0.3
3 or 4 units	24,594	2.9		1,920	0.3
5 to 9 units	22,297	2.6		202.000	400.0
10 to 19 units				392,928	100.0
	12,539	1.5	I I		
20 or more units	19,978	2.4		105,061	26.7
Mobile home	142,728	16.9		184,733	47.0
Boat, RV, van, etc	3,499	0.4	\$100,000 to \$149,999	62,302	15.9
			\$150,000 to \$199,999	22,939	5.8
YEAR STRUCTURE BUILT			\$200,000 to \$299,999	12,536	3.2
1999 to March 2000	16,300	1.9	\$300,000 to \$499,999	4,094	1.0
1995 to 1998	57,953	6.9	\$500,000 to \$999,999	879	0.2
1990 to 1994	56,800	6.7	\$1,000,000 or more	384	0.1
1980 to 1989	121,243	14.4	Median (dollars)	72,800	(X)
1970 to 1979	156,862	18.6		, 2,000	(24)
1960 to 1969	91,692		10 A 19 March 1 10 10 A 20 A 20 A 20 A 20 A 20 A 20 A		
1940 to 1959	180.652	21.4	MONTHLY OWNER COSTS		
1939 or earlier	163,121		With a mortgage	205,315	E0 2
1000 of carlier	100,121	15.5	Loss than \$200		52.3
ROOMS			Less than \$300	4,821	1.2
	7.544		\$300 to \$499	36,604	9.3
1 room	7,541	0.9	\$500 to \$699	57,904	14.7
2 rooms	16,944	2.0	\$700 to \$999	60,783	15.5
3 rooms	49,776	5.9	\$1,000 to \$1,499	32,077	8.2
4 rooms	145,634	17.2	\$1,500 to \$1,999	8,183	2.1
5 rooms	210,272	24.9	\$2,000 or more	4,943	1.3
6 rooms	178,191	21.1	Median (dollars)	713	(X)
7 rooms	110,127	13.0	Not mortgaged	187,613	47.7
8 rooms	67,308	8.0	Median (dollars)	207	(X)
9 or more rooms	58,830	7.0	,		(, ,)
Median (rooms)	5.5		SELECTED MONTHLY OWNER COSTS		
	0.0	(**)	AS A PERCENTAGE OF HOUSEHOLD		
Occupied housing units	736,481	100.0	INCOME IN 1999		
YEAR HOUSEHOLDER MOVED INTO UNIT	.00,401	100.0	Less than 15.0 percent	199.738	50.8
1999 to March 2000	112,650	153	15.0 to 19.9 percent	60,783	15.5
1995 to 1998	177,756	24.4	20.0 to 24.9 percent	40,023	
1990 to 1994	116,203	15.0	25.0 to 29.9 percent		10.2
		10.0	20.0 to 24.0t	25,158	6.4
1980 to 1989	126,276	17.1	30.0 to 34.9 percent	15,883	4.0
1970 to 1979	94,797	12.9	35.0 percent or more	46,769	11.9
1969 or earlier	108,799	14.8	Not computed	4,574	1.2
			Secretaria de la contrata del contrata de la contrata del contrata de la contrata del contrata de la contrata del contrata de la contrata del contrata del contrata de la contrata de la contrata de la contrata del contrata de la contrata del co	School Strategies de les contrates de	
VEHICLES AVAILABLE	0.000		Specified renter-occupied units	176,393	100.0
None	79,885		GROSS RENT	000 000 000 000 000 000 000 000 000 00	
1	261,081		Less than \$200	18,717	10.6
2	283,173	38.4	\$200 to \$299	21,456	12.2
3 or more	112,342	15.3	\$300 to \$499	68,431	38.8
	88		\$500 to \$749	34,810	19.7
HOUSE HEATING FUEL			\$750 to \$999	5,755	3.3
Utility gas	351,912	47.8	\$1,000 to \$1,499	1,742	1.0
Bottled, tank, or LP gas	41,507		\$1,500 or more	369	0.2
Electricity	236,818	32.2	No cash rent	25,113	14.2
Fuel oil, kerosene, etc	49,689	6.7	Median (dollars)	401	(X)
Coal or coke	8,312	1.1		וייד	(^/
Wood	43,634		GROSS RENT AS A PERCENTAGE OF		
		5.9		I	
Solar energy	125	-	HOUSEHOLD INCOME IN 1999	00.074	400
Other fuel	3,402	0.5	Less than 15.0 percent	33,374	18.9
No fuel used	1,082	0.1	15.0 to 19.9 percent	20,118	11.4
A			20.0 to 24.9 percent	17,400	9.9
SELECTED CHARACTERISTICS			25.0 to 29.9 percent	14,823	8.4
Lacking complete plumbing facilities	7,451		30.0 to 34.9 percent	10,963	6.2
Lacking complete kitchen facilities	4,960		35.0 percent or more	49,917	28.3
No telephone service	34,786	4.7	Not computed	29,798	16.9
				_5,, 55	

⁻Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

CENSUS 2000 TABLES FOR THE UNITED STATES



Table DP-1. Profile of General Demographic Characteristics: 2000

Geographic Area: United States

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population	281,421,906	100.0	HISPANIC OR LATINO AND RACE		
p-p	201,121,000	100.0	Total population	281,421,906	100.0
SEX AND AGE			Hispanic or Latino (of any race)	35,305,818	12.5
Male	138,053,563	49.1	Mexican	20.640.711	7.3
Female		50.9	Puerto Rican	3,406,178	1.2
	2 2		Cuban	1,241,685	0.4
Under 5 years		6.8	Other Hispanic or Latino	10,017,244	3.6
5 to 9 years	20,549,505	7.3	Not Hispanic or Latino	246,116,088	87.5
10 to 14 years	20,528,072	7.3	White alone	194,552,774	69.1
15 to 19 years	20,219,890	7.2		101,002,711	00.1
25 to 34 years	18,964,001	6.7	RELATIONSHIP	C-85-885A4 - HATTERS - HOUSE CALABO	
25 to 34 years	39,891,724 45,148,527	14.2 16.0	Total population	281,421,906	100.0
45 to 54 years			In households	273,643,273	97.2
55 to 59 years		13.4	Householder	105,480,101	37.5
60 to 64 years	13,469,237 10,805,447	4.8	Spouse	54,493,232	19.4
65 to 74 years	18,390,986	3.8 6.5	Child	83,393,392	29.6
75 to 84 years	12,361,180	4.4	Own child under 18 years	64,494,637	22.9
85 years and over			Other relatives	15,684,318	5.6
		1.5	Under 18 years	6,042,435	2.1
Median age (years)	35.3	(X)	Nonrelatives	14,592,230	5.2
18 years and over	209.128.094	74.0	Unmarried partner	5,475,768	1.9
Male	100,994,367	74.3	In group quarters	7,778,633	2.8
Female	100,994,367	35.9	Institutionalized population	4,059,039	1.4
21 years and over	196,899,193	38.4 70.0	Noninstitutionalized population	3,719,594	1.3
62 years and over	41,256,029	14.7	HOUSEHOLD DV TVDT		
65 years and over		12.4	HOUSEHOLD BY TYPE		
Male	14,409,625	5.1	Total households	105,480,101	100.0
Female	20,582,128	7.3	Family households (families)	71,787,347	68.1
· cmaic	20,002,120	7.5	With own children under 18 years	34,588,368	32.8
RACE			Married-couple family	54,493,232	51.7
One race	274,595,678	97.6	With own children under 18 years	24,835,505	23.5
White	211,460,626	75.1	Female householder, no husband present With own children under 18 years	12,900,103	12.2
Black or African American	34,658,190	12.3	Nonfamily households	7,561,874	7.2
American Indian and Alaska Native	2,475,956	0.9	Householder living alone	33,692,754	31.9
Asian	10,242,998	3.6	Householder 65 years and over	27,230,075	25.8
Asian Indian	1,678,765	0.6	ribuseriolder ob years and over	9,722,857	9.2
Chinese	2,432,585	0.9	Households with individuals under 18 years	38,022,115	36.0
Filipino	1,850,314	0.7	Households with individuals 65 years and over	24,672,708	23.4
Japanese	796,700	0.3		2000	10.0
Korean	1,076,872	0.4	Average household size	2.59	(X)
Vietnamese	1,122,528	0.4	Average family size	3.14	(X)
Other Asian 1	1,285,234	0.5	HOHEING OCCUPANCY		
Native Hawaiian and Other Pacific Islander	398,835	0.1	HOUSING OCCUPANCY	445 004 044	400.0
Native Hawaiian	140,652	100	Total housing units	115,904,641	100.0
Guamanian or Chamorro	58,240	-	Occupied housing units	105,480,101	91.0
Samoan	91,029	_	Vacant housing units For seasonal, recreational, or	10,424,540	9.0
Other Pacific Islander 2	108,914	•		2 570 740	2.4
Some other race	15,359,073	5.5	occasional use	3,578,718	3.1
Two or more races	6,826,228	2.4	Homeowner vacancy rate (percent)	1.7	(X)
Boss slave or in combination with any	310. 200		Rental vacancy rate (percent)	6.8	(X)
Race alone or in combination with one or more other races: 3			The second secon		(-7
White	216 020 075	77.4	HOUSING TENURE		
Black or African American	216,930,975	77.1	Occupied housing units	105,480,101	100.0
	36,419,434	12.9	Owner-occupied housing units	69,815,753	66.2
American Indian and Alaska Native	4,119,301	1.5	Renter-occupied housing units	35,664,348	33.8
Asian Native Hawaiian and Other Pacific Islander	11,898,828	4.2			
Some other race	874,414	0.3	Average household size of owner-occupied units.	2.69	(X)
Outle faller and a contract and a co	18,521,486	0.0	Average household size of renter-occupied units.	2.40	(X)

Source: U.S. Census Bureau, Census 2000.

Represents zero or rounds to zero. (X) Not applicable.
 Other Asian alone, or two or more Asian categories.
 Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.
 In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Table DP-2. Profile of Selected Social Characteristics: 2000

Geographic area: United States

Subject	Number	Percent	Subject	Number	Percent
SCHOOL ENROLLMENT			NATIVITY AND PLACE OF BIRTH		
Population 3 years and over			Total population	281,421,906	100.0
enrolled in school	76,632,927	100.0	Native	250,314,017	88.9
Nursery school, preschool		6.5	Born in United States	246,786,466	87.7
Kindergarten	4,157,491	5.4	State of residence	168,729,388	60.0
Elementary school (grades 1-8)	33,653,641	43.9	Different state	78,057,078	27.7
High school (grades 9-12)		21.4	Born outside United States	3,527,551	1.3
College or graduate school		22.8	Foreign born	31,107,889	
College of graduate school	17,400,202	22.0	Entered 1990 to March 2000		11.1
EDUCATIONAL ATTAINMENT			Naturalized citizen	13,178,276	4.7
Population 25 years and over	182,211,639	100.0	Naturalized Guzen	12,542,626	4.5
Less than 9th grade			Not a citizen	18,565,263	6.6
9th to 12th grade, no diploma	13,755,477	7.5	REGION OF BIRTH OF FOREIGN BORN		
		12.1	Total (excluding born at sea)	31,107,573	100.0
High school graduate (includes equivalency)	52,168,981	28.6	Europe	4,915,557	15.8
Some college, no degree	38,351,595	21.0	Asia		
Associate degree	11,512,833	6.3	Africa	8,226,254	26.4
Bachelor's degree		15.5		881,300	2.8
Graduate or professional degree	16,144,813	8.9	Oceania	168,046	0.5
Percent high school graduate or higher	80.4	///	Latin America	16,086,974	51.7
Percent high school graduate or higher		(X)	Northern America	829,442	2.7
Percent bachelor's degree or higher	24.4	(X)	LANGUAGE SPOKEN AT HOME		
			Population 5 years and over	262,375,152	400.0
MARITAL STATUS		222	English only		100.0
Population 15 years and over		100.0	Language other than English	215,423,557	82.1
Never married		27.1	Language other than English	46,951,595	17.9
Now married, except separated	120,231,273	54.4	Speak English less than "very well"	21,320,407	8.1
Separated	4,769,220	2.2	Spanish	28,101,052	10.7
Widowed	14,674,500	6.6	Speak English less than "very well"	13,751,256	5.2
Female	11,975,325	5.4	Other Indo-European languages	10,017,989	3.8
Divorced	21,560,308	9.7	Speak English less than "very well"	3,390,301	1.3
Female	12,305,294	5.6	Asian and Pacific Island languages	6,960,065	2.7
			Speak English less than "very well"	3,590,024	1.4
GRANDPARENTS AS CAREGIVERS			ANCECTOV (cincle or excitints)		
Grandparent living in household with			ANCESTRY (single or multiple)	004 404 000	4000
one or more own grandchildren under			Total population	281,421,906	100.0
18 years	5,771,671	100.0			
			Total ancestries reported	287,304,886	102.1
Grandparent responsible for grandchildren	2,426,730	42.0	Arab	287,304,886 1,202,871	102.1 0.4
Grandparent responsible for grandchildren	2,426,730		Arab	287,304,886 1,202,871 1,703,930	102.1 0.4 0.6
Grandparent responsible for grandchildren VETERAN STATUS	2,426,730		Arab Czech ¹ Danish	287,304,886 1,202,871 1,703,930 1,430,897	102.1 0.4 0.6 0.5
			Arab Czech ¹ Danish Dutch	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494	102.1 0.4 0.6 0.5 1.6
VETERAN STATUS	208,130,352	42.0 100.0	Arab Czech¹ Danish Dutch English	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138	102.1 0.4 0.6 0.5 1.6 8.7
VETERAN STATUS Civilian population 18 years and over		42.0	Arab Czech¹ Danish Dutch English French (except Basque)¹	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509	102.1 0.4 0.6 0.5 1.6 8.7 3.0
VETERAN STATUS Civilian population 18 years and over	208,130,352	42.0 100.0	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098	102.1 0.4 0.6 0.5 1.6 8.7
VETERAN STATUS Civilian population 18 years and over Civilian veterans	208,130,352	42.0 100.0	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2
VETERAN STATUS Civilian population 18 years and over Civilian veterans	208,130,352 26,403,703	42.0 100.0 12.7	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307	102.1 0.4 0.6 0.5 1.6 8.7 3.0
VETERAN STATUS Civilian population 18 years and over Civilian veterans	208,130,352 26,403,703 64,689,357	42.0 100.0 12.7	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years	208,130,352 26,403,703 64,689,357 5,214,334	42.0 100.0 12.7 100.0 8.1	Arab Czech¹. Danish Dutch English French (except Basque)¹. French Canadian¹. German Greek Hungarian Irish¹.	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years With a disability Population 21 to 64 years.	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544	42.0 100.0 12.7 100.0 8.1 100.0	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years With a disability Population 21 to 64 years With a disability	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796	42.0 100.0 12.7 100.0 8.1 100.0 19.2	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years With a disability Population 21 to 64 years. With a disability Percent employed	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6	42.0 100.0 12.7 100.0 8.1 100.0 19.2 (X)	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian.	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56,6 128,577,748	42.0 100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years With a disability Population 21 to 64 years. With a disability Percent employed	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56,6 128,577,748	42.0 100.0 12.7 100.0 8.1 100.0 19.2 (X)	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56,6 128,577,748	42.0 100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian.	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability Percent employed	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6 128,577,748 77.2	42.0 100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8 (X)	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444 1,177,112 2,652,214	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2 0.4
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability Percent employed Population 65 years and over.	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6 128,577,748 77.2 33,346,626	42.0 100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8 (X)	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444 1,177,112 2,652,214 4,319,232	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2 0.4
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability Percent employed Population 65 years and over.	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6 128,577,748 77.2 33,346,626	42.0 100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8 (X)	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444 1,177,112 2,652,214 4,319,232 4,890,581	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2 0.4 0.5
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6 128,577,748 77.2 33,346,626	100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8 (X) 100.0 41.9	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian Polish Portuguese Russian Scotch-Irish Scottlish Slovak	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444 1,177,112 2,652,214 4,319,232 4,890,581 797,764	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2 0.4 0.9 1.7 0.3
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6 128,577,748 77.2 33,346,626 13,978,118	100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8 (X) 100.0 41.9	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African.	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444 1,177,112 2,652,214 4,319,232 4,890,581 797,764 1,781,877	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2 0.4 0.9 1.5 1.6 3.0 0.9
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6 128,577,748 77.2 33,346,626 13,978,118 262,375,152 142,027,478	100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8 (X) 100.0 41.9	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African.	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444 1,177,112 2,652,214 4,319,232 4,890,581 797,764 1,781,877 3,998,310	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2 0.4 0.9 1.5 1.7 0.3 0.6
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability Percent employed Population 65 years and over. With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6 128,577,748 77.2 33,346,626 13,978,118 262,375,152 142,027,478 112,851,828	42.0 100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8 (X) 100.0 41.9 100.0 54.1 43.0	Arab Czech¹ Danish Dutch English. French (except Basque)¹ French Canadian¹ German Greek. Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African. Swedish Swiss	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444 1,177,112 2,652,214 4,319,232 4,890,581 797,764 1,781,877 3,998,310 911,502	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2 0.4 0.9 1.5 1.7 0.3 0.4 0.9
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995 Same county	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6 128,577,748 77.2 33,346,626 13,978,118 262,375,152 142,027,478 112,851,828 65,435,013	42.0 100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8 (X) 100.0 41.9 100.0 54.1 43.0 24.9	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African. Swedish Swiss Ukrainian	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444 1,177,112 2,652,214 4,319,232 4,890,581 797,764 1,781,877 3,998,310 911,502 892,922	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2 0.4 0.9 1.5 1.7 0.3 0.6 0.3
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995 Same county Different county	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6 128,577,748 77.2 33,346,626 13,978,118 262,375,152 142,027,478 112,851,828 65,435,013 47,416,815	100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8 (X) 100.0 41.9 100.0 54.1 43.0 24.9 18.1	Arab Czech¹ Danish Dutch English. French (except Basque)¹ French Canadian¹ German Greek. Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African. Swedish Swiss Ukrainian United States or American	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444 1,177,112 2,652,214 4,319,232 4,890,581 797,764 1,781,877 3,998,310 911,502 892,922 20,625,093	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2 0.4 0.9 1.5 1.7 0.3 0.6 1.4 0.3 0.3 7.3
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995 Same county Different county Same state	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6 128,577,748 77.2 33,346,626 13,978,118 262,375,152 142,027,478 112,851,828 65,435,013 47,416,815 25,327,355	100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8 (X) 100.0 41.9 100.0 54.1 43.0 24.9 18.1 9.7	Arab Czech¹ Danish Dutch English French (except Basque)¹ French Canadian¹ German Greek Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African. Swedish Swiss Ukrainian United States or American Welsh.	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444 1,177,112 2,652,214 4,319,232 4,890,581 797,764 1,781,877 3,998,310 911,502 892,922 20,625,093 1,753,794	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2 0.4 0.9 1.5 1.7 0.3 0.6 1.4 0.9 1.5 1.7 0.3 0.6 1.6
VETERAN STATUS Civilian population 18 years and over Civilian veterans DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION Population 5 to 20 years. With a disability Population 21 to 64 years. With a disability Percent employed No disability Percent employed Population 65 years and over With a disability RESIDENCE IN 1995 Population 5 years and over Same house in 1995. Different house in the U.S. in 1995 Same county Different county	208,130,352 26,403,703 64,689,357 5,214,334 159,131,544 30,553,796 56.6 128,577,748 77.2 33,346,626 13,978,118 262,375,152 142,027,478 112,851,828 65,435,013 47,416,815	100.0 12.7 100.0 8.1 100.0 19.2 (X) 80.8 (X) 100.0 41.9 100.0 54.1 43.0 24.9 18.1 9.7 8.4	Arab Czech¹ Danish Dutch English. French (except Basque)¹ French Canadian¹ German Greek. Hungarian Irish¹ Italian Lithuanian Norwegian. Polish Portuguese Russian Scotch-Irish Scottish Slovak Subsaharan African. Swedish Swiss Ukrainian United States or American	287,304,886 1,202,871 1,703,930 1,430,897 4,542,494 24,515,138 8,325,509 2,435,098 42,885,162 1,153,307 1,398,724 30,594,130 15,723,555 659,992 4,477,725 8,977,444 1,177,112 2,652,214 4,319,232 4,890,581 797,764 1,781,877 3,998,310 911,502 892,922 20,625,093	102.1 0.4 0.6 0.5 1.6 8.7 3.0 0.9 15.2 0.4 0.5 10.9 5.6 0.2 1.6 3.2 0.4 0.9 1.5 1.7 0.3 0.6 1.4 0.3 0.3 7.3

⁻Represents zero or rounds to zero. (X) Not applicable.

1 The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-3. Profile of Selected Economic Characteristics: 2000

Geographic area: United States

EMPLOYMENT STATUS Population 16 years and over 217,16	68,077 20,935	Percent 100.0 63.9	Subject INCOME IN 1999 Households	Number 105,539,122	Percent
Population 16 years and over 217,16 In labor force 138,82 Civilian labor force 137,66 Employed 129,72 Unemployed 7,94	20,935		Households	105,539,122	100.0
Population 16 years and over 217,16 In labor force 138,82 Civilian labor force 137,66 Employed 129,72 Unemployed 7,94	20,935		Households	105,539,122	100.0
In labor force 138,82 Civilian labor force 137,66 Employed 129,72 Unemployed 7,94	20,935		nousellolus	105,539,122	
Civilian labor force. 137,66 Employed 129,72 Unemployed 7,94		03.9	I one than \$10,000	40 007 007	
Employed	00.7901		Less than \$10,000	10,067,027	9.5
Unemployed		63.4	\$10,000 to \$14,999	6,657,228	6.3
Description of civilian laborations of the civilian laboration of the civil		59.7	\$15,000 to \$24,999	13,536,965	12.8
	100	3.7	\$25,000 to \$34,999	13,519,242	12.8
	5.8	(X)	\$35,000 to \$49,999	17,446,272	16.5
Armed Forces	52,137	0.5	\$50,000 to \$74,999	20,540,604	19.5
Not in labor force	47,142	36.1	\$75,000 to \$99,999	10,799,245	10.2
Females 16 years and over 112,18	B5.795	100.0	\$100,000 to \$149,999	8,147,826	7.7
	47,732	57.5	\$150,000 to \$199,999	2,322,038	2.2
	83,493	57.4	\$200,000 or more	2,502,675	2.4
	30,069	54.0	Median household income (dollars)	41,994	(X)
and the second s			Mills coming	04 000 740	
	33,613	100.0	With earnings	84,962,743	80.5
All parents in family in labor force	37,501	58.6	Mean earnings (dollars) ¹	56,604	(X)
COMMUTING TO WORK			With Social Security income	27,084,417	25.7
Workers 16 years and over 128,27	70 228	100.0	Mean Social Security income (dollars) ¹	11,320	(X)
	02,050		With Supplemental Security Income	4,615,885	4.4
	34,051	75.7 12.2	Mean Supplemental Security Income	-	1000000
	57,703		(dollars) ¹	6,320	(X)
		4.7	With public assistance income	3,629,732	3.4
	58,982	2.9	Mean public assistance income (dollars) ¹	3,032	(X)
	32,219	1.2	With retirement income	17,659,058	16.7
	34,223	3.3	Mean retirement income (dollars)1	17,376	(X)
Mean travel time to work (minutes) ¹	25.5	(X)	Families	70 004 700	400.0
Employed civilian population			Less than \$10,000.	72,261,780	100.0
16 years and over	21 512	100.0	\$10,000 to \$14,999.	4,155,386	5.8
OCCUPATION	.1,512	100.0	\$15,000 to \$24,999	3,115,586	4.3
Management, professional, and related			\$25,000 to \$34,999	7,757,397	10.7
	16.731	33.6	\$35,000 to \$49,999	8,684,429	12.0
	76,947	14.0	\$50,000 to \$74,999	12,377,108	17.1
Sales and office occupations	21,390	26.7	\$50,000 to \$74,999	16,130,100	22.3
	51,810	20.7	\$75,000 to \$99,999	9,009,327	12.5
Construction, extraction, and maintenance	01,010	0.7	\$100,000 to \$149,999	6,936,210	9.6
	6,138	0.4	\$150,000 to \$199,999	1,983,673	2.7
Production, transportation, and material moving	0,130	9.4	\$200,000 or more	2,112,564	2.9
occupations	88,496	14.6	Median family income (dollars)	50,046	(X)
000upanons	00,490	14.0	Per capita income (dollars) ¹	21,587	///
INDUSTRY			Median earnings (dollars):	21,307	(X)
Agriculture, forestry, fishing and hunting,			Male full-time, year-round workers	37.057	/V\
	26.053	1.9	Female full-time, year-round workers	27,194	(X)
	1,507	6.8	Terriale fair-time, year-round workers	21,194	(X)
Manufacturing		14.1	343-00-00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Number	Percent
	6.757	3.6		below	below
Retail trade		11.7		poverty	poverty
	0,102	5.2	Subject	level	level
	6,564	3.1			
Finance, insurance, real estate, and rental and	70,304				
	34,972	6.9	POVERTY STATUS IN 1999		
Professional, scientific, management, adminis-	77,312		Families	6,620,945	9.2
	1,865	9.3	With related children under 18 years	5,155,866	13.6
Educational, health and social services 25,84		19.9	With related children under 5 years	2,562,263	17.0
Arts, entertainment, recreation, accommodation	0,023	15.5	Families with female householder, no		
	0,295	7.9	husband present	2 245 040	20.5
	0,632	7.000	With related children under 18 years	3,315,916	26.5
	2,015	4.8	With related children under 18 years	2,940,459	34.3
0,21.	2,010	4.0	with related children under 5 years	1,401,493	46.4
CLASS OF WORKER			Individuals	00 000 045	40.4
	14 361	70 E	Individuals	33,899,812	12.4
Private ware and salary workers		14.6	18 years and over	22,152,954	10.9
Private wage and salary workers	4 4 1 1		DELVERS AND OVER	3,287,774	9.9
Government workers	3,353				
Government workers			Related children under 18 years	11,386,031	16.1
Government workers	3,353 3,761 0,037	6.6			

⁻Represents zero or rounds to zero. (X) Not applicable.

1 If the denominator of a mean value or per capita value is less than 30, then that value is calculated using a rounded aggregate in the numerator.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-4. Profile of Selected Housing Characteristics: 2000

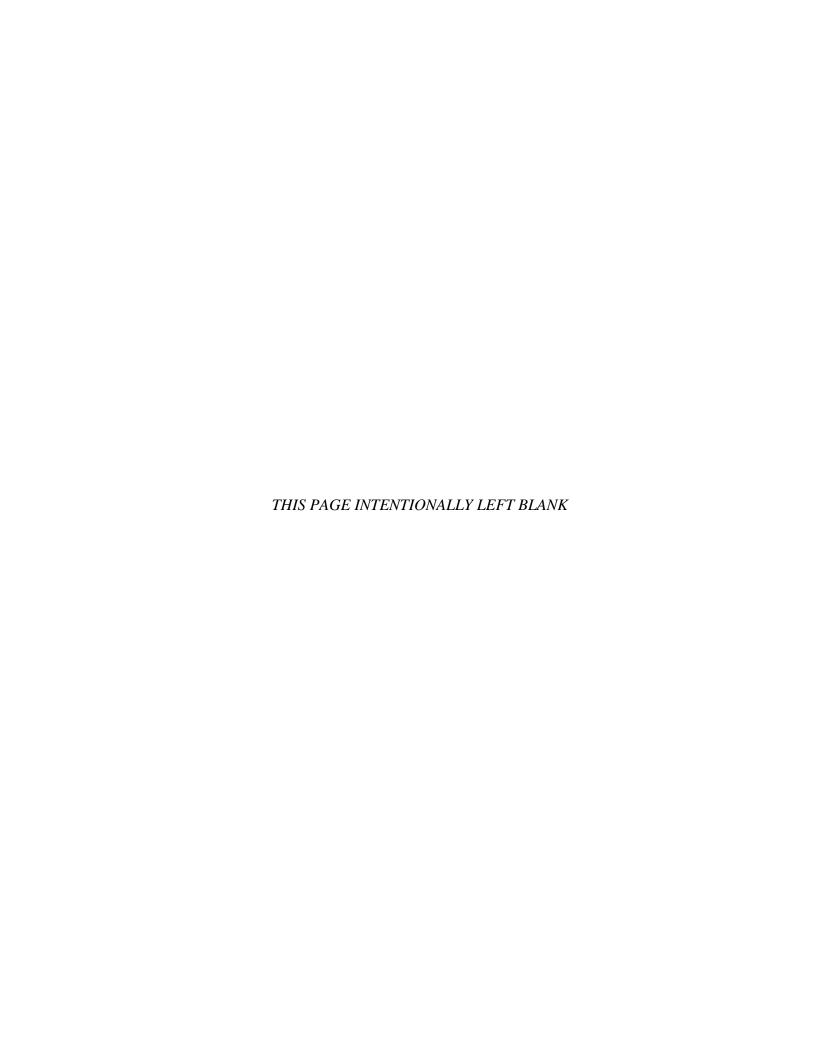
Geographic area: United States

Total housing units. 115,904,641 UNITS IN STRUCTURE	Subject	Number	Percent	Subject	Number	Percent
UNITS IN STRUCTURE 68,865,957 60.3 1.00 or less. 93,406,805		115 004 641			Tumber	1 CIOCIII
-Lunit, detached.		113,304,041	100.0		405 400 404	400.0
		69 865 957	60.3			100.0
2 unils				1.00 to 1.50		94.2
3 or 4 unils			\$4500 CO.	1.01 to 1.50		3.0
5 to 9 units			10.7500		2,074,090	2.7
10 to 19 units				Specified owner-occupied units	EE 212 100	100.0
20 or more units	to 19 units		~ 200		33,212,100	100.0
Mobile home			E 23.12		5 457 D17	9.9
Boat, RV, van, etc. 262,610 0.2 \$100,000 to \$149,999. 0.75,004						30.4
VEAR STRUCTURE BUILT \$155,000 to \$199,999. 8,075,904 1995 to 1994 8,478,975 7.3 \$200,000 to \$499,999. 3,584,108 1995 to 1994 8,467,008 7.3 \$500,000 to \$499,999. 3,584,108 1995 to 1994 8,467,008 7.3 \$1,000,000 to \$999,999. 1,308,116 1990 to 1994 8,467,008 7.3 \$1,000,000 to \$999,999. 1,308,116 1990 to 1999 18,326,847 15.8 11,000,000 to more. 313,759 1980 to 1999 18,345,917 20.0 Mortage Status And Selected Mortage. 119,600 1994 to 1959 23,415,917 20.0 MONTHLY OWNER COSTS 38,663,887 1939 or earlier 17,380,053 15.0 MONTHLY OWNER COSTS 3300 to \$499 2,149,992 1 room 2,551,061 2,2 \$500 to \$699 4,943,283 25,149,992 3,663,887 1 rooms 11,405,588 9.8 3,100 to \$1,999 9,612,512 3700 to \$499 9,612,512 3700 to \$499 9,612,512 3700 to \$499 9,612,512 3700 to \$499 9,612,5				\$100,000 to \$149,999		23.7
YEAR STRUCTURE BUILT				\$150,000 to \$199,999.		14.6
1995 to March 2000 2,755,075 2.4 \$300,000 to \$499,999 3,584,108 1995 to 1998 8,479,795 7.3 1990 to 1994 8,467,008 7.3 1900 to 1994 8,467,008 15.8 1970 to 1979 21,438,863 18.5 1960 to 1969 15,911,903 13.7 1940 to 1959 23,145,917 1939 or earlier 17,380,053 1700m 2,551,061 2.2 1700m 3,437,40 18,514,383 16.0 18,514,383 16.0 18,514,383 16.0 18,514,383 16.0 18,514,383 16.0 18,514,383 16.0 19,910 to \$1,999 5,555,203 19,000 or more 4,467,666 10,000 or more 4,67,666 10,000 or more 4,	AR STRUCTURE BUILT			\$200,000 to \$299,999		11.9
1995 to 1998	99 to March 2000	2,755,075	2.4	\$300,000 to \$499,999		6.5
1990 to 1994	95 to 1998		7.3	\$500,000 to \$999,999		2.4
1980 to 1989				\$1,000,000 or more.		0.6
1970 to 1979	30 to 1989	18,326,847	15.8	Median (dollars)		(X)
1960 to 1969	'O to 1979	21,438,863	18.5		1,10,000	(2.)
15.0 With a mortgage 38,663,887 255,243 2500 to \$499 2,149,992 2,149,993 2,149,992 2,149,993 2		15,911,903	13.7			
1939 or earlier	0 to 1959	23,145,917	20.0	MONTHLY OWNER COSTS		
ROOMS Composite Composit	9 or earlier		15.0	With a mortgage	38,663,887	70.0
Source	WY999W W3 9-40			Less than \$300	V 27 150	0.5
2 rooms 5,578,182 4.8 \$700 to \$999 9,612,512 3 rooms 11,405,588 9.8 \$1,000 to \$1,499 11,679,988 4 rooms 18,514,383 16.0 \$1,500 to \$1,999 5,555,203 5 rooms 24,214,071 20.9 \$2,000 or more 4,467,666 6 rooms 21,385,794 18.5 Median (dollars) 1,088 7 rooms 13,981,917 12.1 Not mortgaged 16,548,221 8 rooms 9,343,740 8.1 Median (dollars) 295 9 or more rooms 8,929,905 7.7 (X) SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD 1999 to March 2000 21,041,090 19.9 15.0 to 19.9 percent 20,165,963 1999 to 1994 16,948,257 16.1 25.0 to 29.9 percent 5,210,523 1980 to 1989 16,429,173 15.6 30.0 to 34.9 percent 3,325,083 1970 to 1979 10,399,015 9.9 9.9 50 percent or more 8,719,648 1969 or earlier 10,182,718 9.7 </td <td>OMS</td> <td>1984-101-102-1-46-102-102-102-102-102-102-102-102-102-102</td> <td></td> <td>\$300 to \$499</td> <td>2,149,992</td> <td>3.9</td>	OMS	1984-101-102-1-46-102-102-102-102-102-102-102-102-102-102		\$300 to \$499	2,149,992	3.9
3 rooms		2,551,061	2.2	\$500 to \$699	4,943,283	9.0
4 rooms 18,514,383 16.0 \$1,500 to \$1,999 5,555,203 5 rooms 24,214,071 20.9 \$2,000 or more 4,467,666 6 rooms 21,385,794 18.5 Median (dollars) 10,088 7 rooms 13,981,917 12.1 Not mortgaged 16,548,221 8 rooms 9,343,740 8.1 Median (dollars) 295 9 or more rooms 8,929,905 7.7 SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD 295 YEAR HOUSEHOLDER MOVED INTO UNIT 100.0<		5,578,182	4.8		9,612,512	17.4
5 rooms 24,214,071 20.9 \$2,000 or more 4,467,666 6 rooms 21,385,794 18.5 Median (dollars) 1,088 7 rooms 13,981,917 12.1 Not mortgaged 16,548,221 8 rooms 9,343,740 8.1 Median (dollars) 295 9 or more rooms 8,929,905 7.7 7.7 Median (rooms) 5.3 (X) SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1999 VEAR HOUSEHOLDER MOVED INTO UNIT 19.9 19.9 15.0 to 19.9 percent 20,165,963 1999 to March 2000 21,041,090 19.9 15.0 to 19.9 percent 9,661,469 1990 to 1994 16,948,257 16.1 25.0 to 29.9 percent 5,210,523 1980 to 1989 16,429,173 15.6 30.0 to 34.9 percent 3,325,083 1970 to 1979 10,389,015 9.9 35.0 percent or more 8,719,648 1969 or earlier 10,182,718 9.7 Not computed 441,403 VEHICLES AVAILABLE None 10,861,067 10.3 GROSS RENT 35,199,502 1 </td <td></td> <td>11,405,588</td> <td>9.8</td> <td></td> <td>11,679,988</td> <td>21.2</td>		11,405,588	9.8		11,679,988	21.2
6 rooms		1960 - O - 1980 CO - 198	16.0		5,555,203	10.1
7 rooms		198-100-100-100-100-100-100-100-100-100-10	20.9		4,467,666	8.1
8 rooms 9,343,740 8.1 Median (dollars) 295 9 or more rooms 8,929,905 7.7 Median (rooms) 5.3 (X) Occupied housing units 105,480,101 100.0 YEAR HOUSEHOLDER MOVED INTO UNIT 1999 to March 2000 21,041,090 19.9 1995 to 1998 30,479,848 28.9 1990 to 1994 16,948,257 16.1 1980 to 1989 16,429,173 15.6 1970 to 1979 10,399,015 9.9 1969 or earlier 10,182,718 9.7 VEHICLES AVAILABLE None 10,861,067 10.3 Median (dollars) 295 SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD 1999 Less than 15.0 percent 20,165,963 15.0 to 19.9 percent 7,688,019 25.0 to 29.9 percent 5,210,523 30.0 to 34.9 percent 3,325,083 1970 to 1979 10,182,718 9.7 Not computed 441,403 Specified renter-occupi				Median (dollars)		(X)
9 or more rooms				Not mortgaged	16,548,221	30.0
Median (rooms) 5.3 (X) SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1999 YEAR HOUSEHOLDER MOVED INTO UNIT 1999 to March 2000 21,041,090 19.9 15.0 to 19.9 percent 20,165,963 1990 to 1998 30,479,848 28.9 15.0 to 19.9 percent 7,688,019 1990 to 1994 16,948,257 16.1 25.0 to 29.9 percent 5,210,523 1980 to 1989 16,429,173 15.6 30.0 to 34.9 percent 3,325,083 1970 to 1979 10,399,015 9.9 35.0 percent or more 8,719,648 1969 or earlier 10,182,718 9.7 Not computed 441,403 VEHICLES AVAILABLE Specified renter-occupied units 35,199,502 1 None 10,861,067 10.3 GROSS RENT 1				Median (dollars)	295	(X)
Occupied housing units 105,480,101 100.0 AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1999 20,165,963 1999 to March 2000 21,041,090 19.9 15.0 to 19.9 percent 9,661,469 1995 to 1998 30,479,848 28.9 20.0 to 24.9 percent 7,688,019 1990 to 1994 16,948,257 16.1 25.0 to 29.9 percent 5,210,523 1980 to 1989 16,429,173 15.6 30.0 to 34.9 percent 3,325,083 1970 to 1979 10,399,015 9.9 35.0 percent or more 8,719,648 1969 or earlier 10,182,718 9.7 Not computed 441,403 VEHICLES AVAILABLE Specified renter-occupied units 35,199,502 1 None 10,861,067 10.3 GROSS RENT 35,199,502 1	more rooms	8,929,905	The state of the s			
Occupied housing units 105,480,101 100.0 INCOME IN 1999 20,165,963 1999 to March 2000 21,041,090 19.9 15.0 to 19.9 percent 9,661,469 1995 to 1998 30,479,848 28.9 20.0 to 24.9 percent 7,688,019 1990 to 1994 16,948,257 16.1 25.0 to 29.9 percent 5,210,523 1980 to 1989 16,429,173 15.6 30.0 to 34.9 percent 3,325,083 1970 to 1979 10,399,015 9.9 35.0 percent or more 8,719,648 1969 or earlier 10,182,718 9.7 Not computed 441,403 VEHICLES AVAILABLE Specified renter-occupied units 35,199,502 1 None 10,861,067 10.3 GROSS RENT 35,199,502 1	an (rooms)	5.3	(X)			
YEAR HOUSEHOLDER MOVED INTO UNIT 21,041,090 19.9 Less than 15.0 percent. 20,165,963 1999 to March 2000 21,041,090 19.9 15.0 to 19.9 percent 9,661,469 1995 to 1998 30,479,848 28.9 20.0 to 24.9 percent 7,688,019 1990 to 1994 16,948,257 16.1 25.0 to 29.9 percent 5,210,523 1980 to 1989 16,429,173 15.6 30.0 to 34.9 percent 3,325,083 1970 to 1979 10,399,015 9.9 35.0 percent or more 8,719,648 1969 or earlier 10,182,718 9.7 Not computed 441,403 VEHICLES AVAILABLE Specified renter-occupied units 35,199,502 1 None 10,861,067 10.3 GROSS RENT 1	Occupied housing units	405 400 404	400.0			
1999 to March 2000 21,041,090 19.9 15.0 to 19.9 percent 9,661,469 1995 to 1998 30,479,848 28.9 20.0 to 24.9 percent 7,688,019 1990 to 1994 16,948,257 16.1 5,210,523 1980 to 1989 16,429,173 15.6 30.0 to 34.9 percent 3,325,083 1970 to 1979 10,399,015 9.9 35.0 percent or more 8,719,648 1969 or earlier 10,182,718 9.7 Not computed 441,403 VEHICLES AVAILABLE None 10,861,067 10.3 GROSS RENT 35,199,502 1		105,460,101	100.0		20 405 002	20.5
1995 to 1998 30,479,848 28.9 20.0 to 24.9 percent 7,688,019 1990 to 1994 16,948,257 16.1 25.0 to 29.9 percent 5,210,523 1980 to 1989 16,429,173 15.6 30.0 to 34.9 percent 3,325,083 1970 to 1979 10,399,015 9.9 35.0 percent or more 8,719,648 1969 or earlier 10,182,718 9.7 Not computed 441,403 VEHICLES AVAILABLE None 10,861,067 10.3 GROSS RENT 35,199,502 1		21 041 000	10.0	15 0 to 10 0 percent		36.5
1990 to 1994 16,948,257 16.1 25.0 to 29.9 percent 5,210,523 1980 to 1989 16,429,173 15.6 30.0 to 34.9 percent 3,325,083 1970 to 1979 10,399,015 9.9 35.0 percent or more 8,719,648 1969 or earlier 10,182,718 9.7 Not computed 441,403 VEHICLES AVAILABLE None 10,861,067 10.3 GROSS RENT 35,199,502 1						17.5 13.9
1980 to 1989 16,429,173 15.6 30.0 to 34.9 percent 3,325,083 1970 to 1979 10,399,015 9.9 35.0 percent or more 8,719,648 1969 or earlier 10,182,718 9.7 Not computed 441,403 VEHICLES AVAILABLE Specified renter-occupied units 35,199,502 1 None 10,861,067 10.3 GROSS RENT 1						9.4
1970 to 1979 10,399,015 9.9 35.0 percent or more 8,719,648 1969 or earlier 10,182,718 9.7 Not computed 441,403 VEHICLES AVAILABLE Specified renter-occupied units 35,199,502 1 None 10,861,067 10.3 GROSS RENT			15.6	30.0 to 34.9 percent		6.0
1969 or earlier 10,182,718 9.7 Not computed 441,403 VEHICLES AVAILABLE Specified renter-occupied units 35,199,502 1 None 10,861,067 10.3 GROSS RENT		100 1000 1000 1000	0.0	35.0 percent or more		15.8
VEHICLES AVAILABLE Specified renter-occupied units 35,199,502 1 None 10,861,067 10.3 GROSS RENT GROSS RENT						0.8
None		10,102,710	5.1	The computed	441,400	0.0
None	IICLES AVAILABLE			Specified renter-occupied units	35 199 502	100.0
	ıe	10,861.067	10.3		,,	. 3010
1			34.2	Less than \$200	1,844.181	5.2
2			38.4	\$200 to \$299		5.2
			17.1	\$300 to \$499		22.0
\$500 to \$749	Annua (Annua (An			\$500 to \$749		33.7
HOUSE HEATING FUEL \$750 to \$999	JSE HEATING FUEL			\$750 to \$999		17.2
Utility gas		54,027,880	51.2	\$1,000 to \$1,499		8.7
Bottled, tank, or LP gas		6,880,185	6.5	\$1,500 or more		2.9
Electricity			30.3	No cash rent		5.2
Fuel oil, kerosene, etc			9.0	Median (dollars)	602	(X)
Coal or coke	l or coke		0.1	THE STATE OF THE S	3	14.0000
Wood	od		1.7			
Solar energy	r energy		(=)			
			0.4	Less than 15.0 percent		18.1
	uel used	731,506	0.7			14.3
	FOTED OULD A OTED/OTION					12.8
	HOONE TO TO THE THE TREE OF THE TOTAL CONTROL OT THE TOTAL CONTROL OF THE TOTAL CONTROL OF THE TOTAL CONTROL OT THE TOTAL CONTROL OF THE TOTAL CONTROL OF THE TOTAL CONTROL OT THE TOTAL CONTROL OF THE TOTAL CONTROL OF THE TOTAL CONTROL OT THE TOTAL CONTROL OT THE TOTAL CONTROL OT THE TOTAL CONTROL OT T		10 <u>26</u> 2250			10.4
Lacking complete plumbing facilities						7.3
Lacking complete kitchen facilities						29.5
No telephone service	elephone service	2,570,705	2.4	Not computed	2,657,135	7.5

⁻Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.





West Virginia Population and Income Forecasts

		J	Quarters*						Years					Annual Growth	
Indicator	Actual		Fore	Forecast		Actual			Fore	Forecast			W Va	VAL 1/2 (8/)	1/0/ 311
	2004:4	2005:1	2005:2	2005;3	2005:4	2004	2005	2006	2007	2008	5009	2010	2005-2010**	2005-2010**	2005-2010**
77 10 20 11							100000	Populatio	Population (Thousands)	inds)					
Total Population	1,816	1,816	1,816	1,816	1,815	1,815	1,816	1,815	1,813	1,811	1,809	1,808	-1.6	-	6 0
Age 0-17	383	382	381	381	380	385	381	378	374	371	368	366		5	e/c
Age 18-44	650	648	647	646	645	651	647	642	638	635	633	631	-3.2	50-	, m
Age 45-64	205	202	208	510	512	501	509	515	518	521	523	523	2.7	0.5	, c
Age 65 and up	279	279	279	279	279	278	279	280	282	283	286	289	2.0	0.7	n/a
Indicator	1											İ			
Illulcatol	Actual		rore	ecast		Actual			Forecast	cast			W.Va.	W.Va. (%)	U.S. (%)
	2005:2	2005:3	2005:4	2006:1	2006:2	2004	2005	2006	2007	2008	2009	2010	2005-2010**	2005-2010**	2005-2010**
						œ	Real Personal Income (Millions of 2000 Dollars)	al Income	(Millions	of 2000 D	ollars)				
Total Real Income	44,395	44,512	44,900	45,353	45,751	43,065	44,466	45,857	46,946	48,011	49.053	50,291	1.165.0	2.5	99
Wage and Salary	20,950	20,960	21,045	21,140	21,245	20,348	20,938			21,821	22,063	22,331	278.4	1 1	9 6
Other Labor Income	6,441	6,422	6,421	6,432	6,466	660'9	6,413	6,461		6,522	995'9	6.614	40.2	9.0	9
Proprietors' Income	2,829	2,826	2,842	2,853	2,874	2,732	2,824	2.875	2,938	2,993	3,053	3,109	57.0	, C	3.7
Div., Int., Rent	5,517	5,247	5,437	5,462	5,520	5,612	5,426	5,531	5,655	5,760	5.854	5,955	105.8	- 6	7.4
Transfer Income	12,014	12,122	12,180	12,455	12,613	11,553	12,060	12,668	13,107	13,505	13,907	14,451	478.2	3.7	4.0
						ă	8eal Per Capita Personal Income (2000 Dollars)	ita Peren	naf Incom	, (2000 D	(arelle				
. Real Per Capita Income	24 446	24 515	24 732	24 9AG	25 210		24 488	676 36	75 806	DE 544	27 443	0.00		c	•
Water and Salary	11 538	11 544	11 502	11 040	44 706	11,000	44.534			110'07	27,113	610,12	4.000	7.0	7.7
	20.	1	760'	010	5	502,11	20.	9 / -	088.1	12,049	3,195	12,350	163.9	4.	2.4
_	3,547	3,537	3,537	3,544	3,563	3,360	3,532	3,561	3,576	3,601	3,629	3,658	25.3	0.7	0.7
	1,558	1,556	1,565	1,572	1,584	1,505	1,555	1,585	1,621	1,653	1,688	1,720	32.9	2.0	2.8
Div., Int., Rent	3,038	2,890	2,995	3,009	3,041	3,091	2,988	3,048	3,119	3,181	3,236	3,294	61.1	2.0	5 45
Transfer Income	6,616	6,676	6,709	6,862	6,950	6,364	6,642	6,981	7,230	7,458	7,687	7,993	270.2	3.8	3.1
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Coal Production (Mil. Tons)

Quarterly data are seasonally adjusted.
 These columns contain the average yearly change during the 2005-2010 period.